

St. Louis County (HW) - *Chief*
McDonnell Douglas Corporation-Tract I

(The McDonnell Douglas Co.)

St. Louis

RECEIVED

APR 24 1998

RCRA PERMITTING & COMPLIANCE BRANCH
(RCR)

ENFORCEMENT ACTION REQUEST
Division of Environmental Quality

RECEIVED

MAR 26 1998

DATE: March 23, 1998

TO: Lyle Crocker, Enforcement, Hazardous Waste Program

HAZARDOUS WASTE PROGRAM
MISSOURI DEPARTMENT OF
NATURAL RESOURCES

FROM: ^{*ms*} Mike Struckhoff, Unit Chief-Hazardous Waste, St. Louis Regional Office

The St. Louis Regional Office is requesting enforcement action by the Hazardous Waste Program on McDonnell Douglas Corporation-Tract I, located at Lindbergh and McDonnell Boulevard in St. Louis County. The facility is a manufacturer of military aircraft and is a large quantity generator of hazardous waste (MOD000818963/001001). The facility is also permitted to store certain hazardous wastes for over 90 days and to receive hazardous waste from offsite McDonnell Douglas Corporation facilities (Permit #MOD 000 818 963).

1. Brief description of violation:

Storage of hazardous waste over 90 days/operating as TSD without permit (5 counts); Open containers of hazardous waste (6 counts); Open satellite containers of hazardous waste (3 counts); Failure to determine if waste is hazardous; Failure to provide annual hazardous waste refresher training; Failure to number manifests consecutively; (other violations listed in report/NOV).

2. The violations that are documented by the file are as follows:

40 CFR 262.34(a)/260.390(1) RSMo
260.390(1) RSMo
40 CFR 265.173(a)

40 CFR 262.11
40 CFR 264.16(c)
10 CSR 25-5.262(2)(B)2.A.

3. To settle this issue, it is requested that the following action be taken:

Take enforcement necessary to bring the facility into compliance with the Missouri Hazardous Waste Management Law and Regulations. Consider whether monetary penalties are warranted.

Mike Struckhoff
Technical Review

3-23-98
Date

K. E. J.
Regional Director

3/24/98
Date

Attachments:

☐ File Summary
☐ File Copy
☐ Recommendations
☒ Other Inspection Report

c: Mr. Dan Schuette, Deputy Director, DEQ
Ms. Kathy Flippin, HWP-Enforcement


R00402709
RCRA RECORDS CENTER

St. Louis County (HW)
McDonnell Douglas Corp.
(Tract I)



Mel Carnahan, Governor • Stephen M. Mahfood, Director

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

St. Louis Regional Office

10805 Sunset Office Drive, Suite 100 St. Louis, MO 63127-1038

(314) 822-0101

FAX (314) 822-0943

March 19, 1998

Mr. Joseph Haake, Group Manager
Environmental and Hazardous Materials Services
The Boeing Company
P.O. Box 516
MS S111-1099
St. Louis, MO 63166

Dear Mr. Haake:

Letter of Warning #98-SL.021

Enclosed is a report of an inspection conducted at McDonnell Douglas Corporation-Tract I by Mr. Joe Trunko of my staff. The section titled "UNSATISFACTORY FEATURES" lists violations noted during the inspection and outlines steps the inspector has determined will correct those violations.

We have received your response, dated March 16, 1998, to Notice of Violation (NOV) #5099. This NOV was issued for violations noted during the inspection. A review of the response indicated that additional information must be submitted concerning unsatisfactory features 1, 2, 9, 12, 15, 16, and 17 (as numbered in the inspection report). Please note that unsatisfactory features 16 and 17 are additional violations determined after the site inspection and were not included on the NOV.

Specifically, the Missouri Department of Natural Resources (MDNR) requests that the following information be submitted:

1. The response to unsatisfactory feature 1 states that a program to inspect and clean the out-of-service dumpsters will be initiated immediately. Please provide a written description of this program.

Actions must be taken to insure that all waste in the dumpsters is removed when the dumpsters are emptied into the compactor rollofs. The training program must be updated to insure that all employees handling the dumpsters are aware of this. A copy of the updated training program must be submitted.

2. After further review, the MDNR has determined that the 2-cubic yard dumpsters do not meet the definition of a closed container when the lids are closed. Information concerning how McDonnell Douglas Corporation will address this matter must be provided. See unsatisfactory feature 2 in the report.
9. Provide copies of the work orders that were placed to clean and repaint the containment floor surfaces of the Building 40 and 51 storage shelters.
12. All employees who have not received annual refresher training (as identified during the inspection) must be trained. Documentation that these employees have received this training must be submitted to the Department.
15. Provide waste analysis data (Toxicity Characteristic Leaching Procedure for Chromium) for the water that had accumulated in the 2-cubic yard hazardous waste storage dumpsters.
16. See unsatisfactory feature 16 in the inspection report and provide a response.
17. See unsatisfactory feature 17 in the inspection report and provide a response.

By April 20, 1998, a response must be submitted that addresses the items described above. Please submit the response to the attention of Ms. Kathy Flippin, Chief, Hazardous Waste Enforcement Unit, Hazardous Waste Program, P.O. Box 176, Jefferson City, MO 65102. A copy of your response should also be sent to the attention of Mr. Joe Trunko at this office.

This matter has been referred to the Hazardous Waste Program. Questions concerning the inspection, NOV, or facility response should be directed to Ms. Kathy Flippin at (573) 751-3176.

Sincerely,

ST. LOUIS REGIONAL OFFICE



Robert S. P. Eck
Regional Director

RSPE/JLT/dr

Enclosures

c: Ms. Kathy Flippin, HWP - Enforcement

**RESOURCE CONSERVATION AND RECOVERY ACT
AND
MISSOURI HAZARDOUS WASTE MANAGEMENT LAW
COMPLIANCE EVALUATION INSPECTION REPORT**

FACILITY

McDonnell Douglas Corporation
Tract I
Lindbergh and McDonnell Blvd.
St. Louis, MO 63166
(314) 232-6941

EPA ID#: MOD000818963
MO Generator ID#: 001001
Permit #: MOD 000 818 963
Resource Recovery #: 0268-A
MO Transporter ID#: H-1039

PARTICIPANTS

Missouri Department of Natural
Resources (MDNR)

Joseph L. Trunko & Mike Struckhoff
Environmental Specialists

McDonnell Douglas Corporation

Joseph Haake, Group Manager
Environmental & Hazardous
Materials Services

Bryan Kury, Manager
Environmental & Hazardous
Material Services

Odell McCollough
Environmental & Hazardous
Material Services

INTRODUCTION

On February 26, February 27, and March 2, 1998, an inspection was conducted at McDonnell Douglas Corporation-Tract I (MCDC) located in St. Louis County, Missouri. The inspection was conducted under the authority of the Resource Conservation and Recovery Act (RCRA) of 1976 and Sections 260.375(9) and 260.377 of the Missouri Hazardous Waste Management Law (1977) as amended. The inspection was confined to facets of the facility operation related to hazardous waste management.

During the closing meeting on March 2, Notice of Violation #5099 (Attachment 1) was issued to MCDC for violations observed during the inspection.

FACILITY DESCRIPTION

MCDC is a manufacturer of military aircraft. Operations at the facility include chemical processing (conversion coating, etching, pickling, and electroplating), machining of parts, composite manufacturing, parts degreasing and painting, aircraft assembly and painting, aircraft testing (flight ramps), industrial wastewater pretreatment, and a boiler house.

MCDC operates 5 days per week, 24 hours per day, 3 shifts per day. A site map of the facility is attached (Attachment 2).

MCDC is a large quantity generator of hazardous waste. Numerous waste streams are generated. However, the largest waste streams include corrosive waste, emulsified cutting oil, paint solids, solvent and paint waste, and wastewater treatment sludge. A summary of the hazardous waste streams generated at this facility and a Generator's Hazardous Waste Summary Report for the quarter ending September 1997 are attached (Attachments 3 & 4).

A new RCRA permit for the storage of hazardous waste for greater than 90 days was issued to MCDC on March 5, 1997 (expiration date March 5, 2007). MCDC was purchased by The Boeing Company in August, 1997. However, MCDC still exists as a company wholly owned by Boeing. As a result, MCDC has retained its name in the RCRA permit.

Waste generated from on-site as well as waste from off-site facilities is stored. Only waste from other MCDC facilities can be accepted from off-site. The waste accepted from off-site is similar to that described above. Hazardous waste is transported to Tract I by MCDC (Missouri Transporter ID #H-1039). A Facility Summary Report for the quarter ending September 1997 is attached (Attachment 5).

MCDC stores on-site generated waste (drum related) at four less-than-90-day storage areas. These areas are located on the east side of Building 2, the north side of Building 48, the south side of Building 51, and north of Building 40, respectively.

Waste solvents and paints are accumulated in satellite drums located at the paint shops in Buildings 2, 27, and 48. Used oil is accumulated in drums at numerous satellite locations (mainly in Buildings 27, 29A, 220, 2, 40, 42, 48, and the flight ramp area). When full, these containers are transferred to one of the less-than-90-day storage areas or directly to the permitted storage area. Used oil is also accumulated in a 375-gallon above ground tank located in Building 5 and in two 250-gallon above ground tanks located on the west side of Building 22.

Solids contaminated with paint and/or solvents (D007 waste) are accumulated in red, 2 cubic yard dumpsters. There are approximately 30-40 of these dumpsters located throughout the facility (mainly at Buildings 27, 220, 29, 2, 45, and 48). When full, these dumpsters are emptied into two compactor roll-offs located at the north side of Building 27 and the north side of Building 48,

respectively. The roll-off containers are transported by Peoria Disposal Company to Waste Technology, Inc., in Liverpool, Ohio, where the waste is incinerated. The roll-offs take approximately one month to fill.

Solids that have been contaminated with solvents or paint are placed in 30-gallon red trash cans located at the immediate work areas. There are approximately 30-40 of these cans located throughout the facility, with the majority being located in Building 2. At the end of each shift, these cans are emptied into the nearest 2-cubic yard dumpster.

The chemical process lines are located in Building 27. When the solution tanks (plating, etch, etc...) need to be cleaned, the contents are pumped directly into a tanker for offsite shipment. There is a continuous flow of water underneath the process lines. Any spills or overflows from the rinse tanks and solution tanks flows into this water, which is then discharged into the industrial sewer system.

MCDC operates an industrial wastewater pretreatment plant at Building 14. Wastewater from the chemical process lines is discharged into the plant. MCDC has a permit from the St. Louis Metropolitan Sewer District (MSD) to discharge the effluent from the plant into the MSD sanitary sewer system.

Wastewater pretreatment sludge (F006/F019) generated in the treatment process is accumulated in a 15-cubic yard roll-off container that is located underneath the filter press in Building 14. This waste is shipped directly off-site by Heritage Transport, Inc., to Heritage Environmental Services, Inc., in Indianapolis, IN. The rolloff takes approximately two months to fill.

Manufacturing equipment (drill presses, lathes, etc...) in Building 27 have sumps that collect waste coolant/emulsified cutting oil. The waste in the sumps is pumped into portable tanks from which it is pumped into a 5,000-gallon above ground storage tank located in the lower level of the Building. This waste is managed as a used oil and is shipped off-site to Superior Oil in Indianapolis, Indiana.

MCDC currently is permitted to store hazardous waste for greater than 90 days in the following unit:

Building 27 Scrap Dock Container Storage Area - Containers of hazardous waste from off-site and from the on-site, less-than-90-day storage areas are stored at this area. Acid, alkali, oil, solvent, and paint sludge hazardous wastes are stored in Area 1. A maximum of 168 fifty-five gallon drums (9,240 gallons) can be stored in the corrosive section of Area 1 and a maximum of 280 fifty-five gallon drums (15,400 gallons) can be stored in the solvent/oil section of Area 1. Cyanide and sulfide hazardous wastes are stored in Area 2, which consists of a prefabricated storage building. A maximum of 28 fifty-five gallon drums (1,540 gallons) can be stored in this area. A staging area for the Container Storage Area has been constructed underneath the Building 39 overhang.

The following hazardous wastes are permitted for storage in the Building 27 Scrap Dock Container Storage Area:

D001-D011, D035, D039, D040, F001, F002, F003, F005-F009, F019

The following storage units were permitted for the storage of hazardous waste under the old permit and are currently undergoing closure or are awaiting closure certification from the Department:

- Building 14 Sludge Holding Tank
- Building 52 Acid Tanks (H12-H14)
- Building 52 Caustic Tanks (H19/H20)
- Hush House Waste Tank
- Ramps 1 & 2 Waste Tank
- Fuel Pits 3 & 4 Waste Tank

The following storage units under the old permit have been certified closed:

- Building 52 Acid Tanks (H1-H6)
- Building 6 Waste Oil Tank
- F-18 Silencer Waste Tank
- Building 27 Scrap Dock Container Storage Area 2 (original area 2)
- Building 28 Waste Tank
- Building 10 Explosives Storage

The Building 52 Caustic Tanks (H19, H20 - 10,000 gallon) are currently used to store sodium hydroxide solution that MCDC can no longer use. The solution is sent to Reynolds Aluminum in Texas for use in their process. As a result, the sodium hydroxide solution is not considered a solid waste.

The Building 52 Acid Tanks (H12-H14 - 850 gallon) are currently used to store nitric hydrofluoric acid (pickling solution) that MCDC can no longer use. This solution is sent to Jamegy, Inc., in Washington, Missouri, which uses it as an ingredient in their process. As a result, the nitric hydrofluoric acid is not considered a solid waste.

Waste jet fuel generated at this facility is burned as a fuel in the facility's boilers, located in Building 5. As a result, the jet fuel is not considered a solid waste.

MCDC has a Resource Recovery Certification (expires April 29, 1999) for the following operations:

- Distillation of spent Methyl Ethyl Ketone (MEK) and Methyl Isobutyl Ketone (MIBK) at the Building 2 paint area. At the time of the inspection, the unit was not being used.

The recovery of perchloroethylene by steam stripping carbon adsorption beds. This process was located in Building 51. MCDC has eliminated the use of this maskant and has replaced it with a water-based maskant. The perchloroethylene recovery unit has been dismantled.

Solid waste generated at the facility is hauled by MCDC to the Westlake Sanitary Landfill. Burnable solid waste is collected in brown, 2-cubic yard dumpsters and is burned in an incinerator located at the MCDC Tract II facility. The incinerator is permitted by the MDNR Solid Waste Management Program and by the St. Louis County Air Pollution Control Program.

MCDC has a State Operating Permit (MO-0004782) from the MDNR for the discharge of storm water and non-contact cooling water. Surface discharges from the MCDC facility eventually flow into Cold Water Creek.

MCDC has a corporate goal to reduce the quantity of hazardous waste generated at this facility by 90 percent over the period 1987 to 2000. Recent waste minimization activities initiated by MCDC include the following:

- * The reduction of the emulsified cutting oil waste stream by evaporating water from the oil. This has been accomplished by heating the storage tank (Building 27).
- * Switching from a Perchloroethylene-based maskant to a water-based maskant.
- * Developing additional training stressing the segregation of hazardous and nonhazardous waste at the generation point.
- * Reducing the number of small accumulation containers for paint/solvent debris.
- * Switching from using Methyl Ethyl Ketone for paint cleanup to Methyl Propyl Ketone.
- * Eliminating the use of 1,1,1-Trichloroethylene for cleaning machinery, which in turn has reduced the volume of chlorinated oil generated.
- * Solvent generated from parts cleaners is being sent to a facility (Crystal Clear) that uses it in the manufacturing of roofing shingles. Consideration is also being made of switching to aqueous cleaners.

Checklists of the inspection are located in Attachment 10.

Photos taken during the inspection are located in Attachment 11.

UNSATISFACTORY FEATURES

1. **The storage of hazardous waste for greater than 90 days without a permit, in violation of Section 260.390(1) RSMo and 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a) & (b).** The following containers were observed during the inspection:
 - A. One 2-cubic yard hazardous waste storage dumpster located on the Building 51 ramp had paint related debris/residue (approximately six inches to one foot) on the bottom. The dumpster was dated 10/7/97 (photo attached).

B. Eight 2-cubic yard hazardous waste storage dumpsters were observed on the east side of Building 2 (south of the less-than-90 day storage shelter). The dumpsters were not in use and were awaiting repair. Three of the dumpsters were accessible and paint-related debris/residue (approximately six inches) was observed in them. One dumpster was dated 4/1/97 (photo attached). The other two dumpsters could not be moved and the accumulation date could not be determined.

C. Approximately forty 2-cubic yard hazardous waste storage dumpsters were being stored west of Building 39 (photo attached). The dumpsters were not in use. Many were not accessible. However, approximately six inches of paint-related debris/residue was observed in one of the dumpsters. The dumpster was dated 2/16/97.

The dates on these hazardous waste storage containers indicated that the waste observed had been stored in the containers for greater than 90 days. Even though many of the dumpsters were not in use and/or awaiting repair, the quantity of residue observed in the containers would not justify them being considered "empty containers" as described in 40 CFR 261.7(b).

Hazardous waste must not be stored at the facility for greater than 90 days in areas other than the Building 27 permitted storage area. All waste and residue must be removed from the 2-cubic yard dumpsters when they are emptied into the compactor rolloffs. MCDRC must develop a program to insure that the dumpsters are adequately cleaned when they are taken out of service for repair. Documentation that this has been done must be submitted to the MDNR.

2. Open containers of hazardous waste, in violation of 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.173(a). The following open containers were observed during the inspection:

A. Three 2-cubic yard hazardous waste storage dumpsters by the Building 2 paint area were overfilled and the lids were not closed (photo attached).

B. Two 2-cubic yard hazardous waste storage dumpsters outside of the Building 2 paint mix room were completely open (photo attached). Rain was entering the dumpsters.

C. Three 2-cubic yard hazardous waste storage dumpsters were observed on the Building 27 east dock (outside of the paint area). One of the dumpsters was completely open.

All containers of hazardous waste must be closed during the entire onsite storage period, except when waste is being added to or removed from the containers. After further review of the 2-cubic yard hazardous waste storage dumpsters, the Department has determined that the lids on these dumpsters do not adequately seal the containers in a way that satisfies the requirements of a closed container.

All 2-cubic yard dumpsters used to store/accumulate hazardous waste must be equipped with lids that adequately seal the top of the dumpster so that rain water is not allowed to enter the dumpsters and emissions from the dumpsters are minimized. The lids should also be latched so that waste can not be spilled should a dumpster be knocked over. Documentation that this has been done must be submitted to the MDNR.

3. Open satellite containers of hazardous waste, in violation of 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(I) referencing 40 CFR 265.173(a). The following open satellite containers were observed during the inspection:

A. One 55-gallon drum of waste paint in the Building 2 paint mix area. The drum had a funnel in the bung hole with a hinged lid that was not securely closed. The small bung hole did not have a bung in the hole and was also open.

B. One 55-gallon drum of waste paint in the Building 48 large paint area. The drum had a funnel in the bung hole with a hinged lid that was not securely closed.

C. One 55-gallon drum of waste paint and one 55-gallon drum of waste Methyl Propyl Ketone in the Building 27 paint area. Both drums had funnels in the bung holes with hinged lids that were not securely closed.

The MDNR considers a drum equipped with a funnel as described above to be an open container. The bung holes on the drums must be closed at all times except when waste is being added to or removed from the drums. A funnel may be used as long as it is equipped with a ball valve or other device that minimizes emissions and would prevent spillage should the drum be knocked over. Documentation that all hazardous waste satellite accumulation containers at MCDC have been properly closed must be submitted to the MDNR.

4. Failure to comply with the conditions of the permit, in violation of 40 CFR 270.30(a).

A closure cost estimate has not been submitted to the Department. General Permit Condition IX.C requires that a closure cost estimate for the previous year be submitted to the Department by March 1 of each year. This information must be submitted to the MDNR.

5. Failure to label used oil tanks, in violation of 10 CSR 25-11.279(1) incorporating 40 CFR 279.22(c)(1). The two 250-gallon used oil tanks located on the west side of Building 22 were not labeled. All containers and tanks of used oil must be clearly labeled "USED OIL". The tanks were labeled properly at the time of the March 2, 1998, inspection visit.

6. Failure to post "NO SMOKING" signs, in violation of 10 CSR 25-5.262(2)(C)2.F(II). "NO SMOKING" signs were not posted at the Building 40 and Building 51 less-than-90 day storage shelters. "NO SMOKING" signs must be conspicuously posted wherever

ignitable waste is stored. These signs should be posted even if there is a no smoking policy in this area of the facility (i.e. general flight ramp area). Documentation that this has been done must be submitted to the MDNR.

7. **Failure to conduct adequate inspections of areas subject to spills, in violation of 10 CSR 25-5.262(2)(C)2.C(II) referencing 40 CFR 265.174.** Spilled F006/F019 hazardous waste filter cake (approximately 5 gallons of square inch size pieces) was observed on the concrete floor next to the rolloff container in Building 14 (photo attached). The rolloff was empty. A review of the inspection log for the storage area indicated that the rolloff had been inspected by MCDC personnel the morning of the inspection. The inspection log noted that there was no spilled waste.

Efforts must be made to insure that adequate inspections are conducted of all storage areas and that all areas on the inspection checklist are checked. Inspections should be conducted of all loading and unloading areas when in use. Any filter cake that is spilled must be cleaned up immediately after each use of the filter press. Documentation that this has been done must be submitted to the MDNR.

8. **Failure to obtain approval for a change in the resource recovery operation, in violation of 10 CSR 25-9.020(3)(E)1.** The Building 51 Perchloroethylene steam stripping process had been dismantled and was no longer operational. MCDC did not notify the Department of the closure of this resource recovery unit.

MCDC must submit a written notification to the MDNR describing the modification to the resource recovery process. The notification must include a plan that addresses disposition of the unit and any hazardous waste associated with it.

A notification of closure of the unit was submitted to the MDNR on March 4, 1998.

9. **Failure to remedy deterioration of equipment/structures, in violation of 10 CSR 25-5.262(2)(C)2.C(III).** The floors of the Building 40 and Building 51 less-than-90 day storage shelters were corroded and rusty (photo attached). However, no leaks were observed. Generators must remedy any deterioration or malfunction of equipment or structures to ensure that the problem does not lead to an environmental or human health hazard. The floors of the storage shelters must be cleaned and resealed periodically so as to minimize the possibility of a release of hazardous waste due to failure of the floor. Documentation that this has been done must be submitted to the MDNR.
10. **Failure to submit Generator Summary Report, in violation of 10 CSR 25-5.262(2)(D)1.E** A generator summary report for the quarter ending December 1997 had not been submitted to the Department. Generator Summary Reports must be submitted to the Hazardous Waste Program within 45 days of the end of each quarter. A report for the fourth quarter of 1997 must be submitted to the MDNR.

11. Failure to number manifests consecutively, in violation of 10 CSR 25-5.262(2)(B)2.A.

A review of the manifests indicated that the following manifests were not numbered consecutively:

#3258 (dated 1/3/97) #3468 (dated 11/4/97)

#3233 (dated 1/14/97) #3460 (dated 11/5/97)

#3253 (dated 1/21/97)

(copies of these manifests are included in Attachment 6)

All shipments of hazardous waste from the facility must be assigned a consecutive number that is recorded on the manifest. Documentation that this has been done must be submitted to the MDNR.

12. Failure to provide annual refresher training, in violation of 10 CSR 25-7.264(1)

incorporating 40 CFR 264.16(c). The training record of one employee, Mr. Robert Hoss (painter in Building 48 paint area), was checked. A review of the training record indicated that Mr. Hoss had not received annual hazardous waste refresher training since January 5, 1995 (Attachment 7). A list of all employees who had not received annual refresher training concerning hazardous waste management during 1997 was requested (Attachment 7). The list that was provided indicated that numerous employees had not received any refresher training in 1997 specific to hazardous waste management.

All employees involved with hazardous waste management and handling must receive refresher training on an annual basis. MCDC must improve the current training tracking system to insure that all employees in need of training are identified and that they receive the training on an annual basis. Documentation that this has been done must be submitted to the MDNR.

13. Failure to conduct adequate inspections of the permitted storage area, in violation of 10 CSR 25-7.264(2)(B) incorporating 40 CFR 264.15(a).

Water was observed in the sumps located in the Building 27 container storage area. The storage area had been inspected by MCDC personnel the morning of the inspection. A review of the inspection log indicated that the section titled "sumps empty" had been checked satisfactory (Attachment 8).

MCDC must insure that all areas designated for inspection on the checklist are adequately checked and that any deficiencies are noted. A description of the actions taken to correct the deficiencies must also be included. Documentation that this has been done must be submitted to the MDNR.

14. Treatment of hazardous waste without a permit, in violation of Section 260.390(1)

RSMo. A list of waste that was treated in the facility's industrial wastewater treatment plant since August 1997 was obtained during the inspection (Attachment 9). A review of the list indicated that five containers of D002 hazardous waste were treated in the plant since August 1997. Mr. Haake informed the inspectors that the waste is accumulated in

drums at the generation locations. When full, the drums are taken to the wastewater treatment plant. The contents are either metered into the influent line or are dumped directly into the plant.

Elementary neutralization of D002 waste is only allowed in the following situations:

- A. It is conducted in the actual container/tank that the waste is accumulated in.
- B. The accumulation container/tank is part of a process and is an integral part (connected via piping) to the wastewater treatment plant.

MCDC must cease the treatment of corrosive waste in the industrial wastewater treatment plant. Elementary neutralization of corrosive waste may only be performed as described above. Documentation that this has been done must be submitted to the MDNR. Regulatory determinations concerning the treatment of hazardous waste, elementary neutralization, and the wastewater treatment exemption was faxed to the facility on March 4, 1998.

15. **Failure to determine if waste is hazardous, in violation of 10 CSR 25-5.262(1) incorporating 40 CFR 252.11.** The water that accumulates in the 2-cubic yard hazardous waste storage dumpsters used to store D007 paint-related material is analyzed for pH and flashpoint. If determined not to be hazardous for these characteristics, the water is disposed of in the industrial sewer system for treatment at the industrial wastewater treatment plant.

The waste stored in these dumpsters is disposed of as a D007 hazardous waste. As a result, MCDC must determine if the water in the dumpsters is hazardous for chrome (TCLP) prior to disposal in the industrial sewer system. The water that has accumulated in all the inactive dumpsters awaiting service must also be properly characterized since many of these dumpsters still have paint-related debris/residue in them (see unsatisfactory feature #1). If determined to be a hazardous waste, the water must be shipped offsite for disposal/treatment at a permitted facility. Documentation that this has been done must be submitted to the MDNR.

Efforts must be made to minimize the intrusion of water into these dumpsters. Insuring that these dumpsters are adequately closed (as discussed in unsatisfactory feature #2) should address this issue.

16. **Failure to prevent run-on into the containment system, in violation of 10 CSR 25-7.264(2)(I) and 40 CFR 264.175(b)(4).** The sump for the containment system in the solvent area of the Building 27 container storage area had water accumulated in it on February 26, 1998. Mr. Haake stated that MCDC believed the water was seeping into the sump from between the asphalt and concrete in the shelter floor. He also stated that facility maintenance had been contacted to try to address the situation and that the hill behind the storage shelter had been regraded to promote better drainage from the area.

All run-on into the containment system (both surface and subsurface) must be prevented, unless there is sufficient excess capacity. MDNR has concerns that the possibility of hazardous waste leaking out of the sump exists since water is flowing into it. The sump must be adequately sealed. A description of the actions taken to address this matter must be submitted to the MDNR.

(This violation was not included on NOV #5099)

17. **Failure to determine if containers are exempt from Subpart CC Air Emission Standards, in violation of 40 CFR 264.1082(c)(1) referencing 40 CFR 1083(a)(1).** Large quantity generators and treatment, storage, and disposal facilities must determine if a container storing hazardous waste is exempt from the Subpart CC Air Emission Standards. MCDC has not made an adequate determination as to whether the 2-cubic yard dumpsters used to store paint-related debris are exempt from these standards. The dumpsters currently do not meet the level 1 container standards specified in 40 CFR 1086(c).

MCDC must determine if these dumpsters are exempt from Subpart CC. This determination must be in accordance with the procedures described in 40 CFR 1083(a)(1) and (2). Records of the determination (if the waste is determined to be exempt) must be maintained in the facility operating log as required by 40 CFR 1089(f).

In lieu of conducting this determination, MCDC can modify the containers so that they meet the level 1 container standards specified in 40 CFR 264.1086(c). If these container standards are met, the waste determination is not required. However, since these containers are greater than 119 gallons in size, a determination as to whether or not they are in "light material service" must be made and submitted to the MDNR for review. These records must be maintained in the facility operating log.

MCDC must submit to the MDNR a written plan that addresses compliance with the Subpart CC standards.

Hazardous waste stored in a closed DOT drum meets the level 1 container standards. As a result, no Subpart CC determination is required for these containers/waste streams.

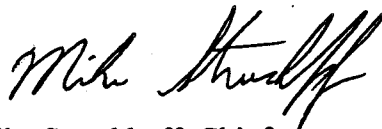
(This violation was not included on NOV #5099)

PREPARED BY:



Joseph L. Trunko
Environmental Specialist

APPROVED BY:



Mike Struckhoff, Chief
Hazardous Waste Unit

JLT/dr

ATTACHMENT 1

NOTICE OF VIOLATION PURSUANT TO REQUIREMENTS OF THE MISSOURI
HAZARDOUS WASTE MANAGEMENT LAW, RULES AND REGULATIONS

5099

page 1 of 1

FACILITY NAME McDonnell Douglas Corporation - Tract I			
ADDRESS Lindbergh & McDonnell Blvd.		CITY Hazelwood	STATE MO
MISSOURI ID NUMBER 601001		DATE OF INSPECTION 2-26-98 / 3-2-98	

During an inspection and/or a review of information or documentation completed this date to determine compliance with the requirements of the Missouri Hazardous Waste Management Law, Section 260.350 - 260.550 RSMo, and/or the Rules and Regulations 10 CSR 25 the following violations were identified. The 40/49 CFR regulations cited below have been adopted by reference in the Missouri Hazardous Waste Regulations.

CITATION	DESCRIPTION OF VIOLATION
40 CFR 262.34(a) 40 CFR 262.34(a)	Storage of hazardous waste > 90 days without a permit.
40 CFR 265.173 (a)	Open containers of hazardous waste
40 CFR 270.30(a)	Failure to comply with conditions of permit (failure to submit closure cost estimate by 3/1/98)
40 CFR 279.22 (c)(1)	Failure to label used oil tanks
10 CSR 25-5.262(2)(C)2.F(II)	Failure to post - "No smoking" Signs at HW storage area
10 CSR 25-5.262(2)(C)2.C.(I) 40 CFR 265.35-35.35	Failure to conduct daily inspections of areas subject to spills
10 CSR 25-9.020 (3)(E) 1	Failure to notify DNR of changes (closure) to Resource Recovery process
10 CSR 25-5.262(2)(C)2.C.(II)	Failure to remedy deterioration of containment systems (490 storage tanks)
10 CSR 25-5.262(2)(D)1.E	Failure to submit Generator Summary Report within 45 days of quarter
10 CSR 25-5.262(2)(B)2.A.	Failure to number manifests consecutively.

This information is provided to call your attention to those areas of noncompliance at the earliest possible time. This notice does not constitute a compliance order issued pursuant to Section 260.410, RSMo and may not be a complete listing of all violations which may be identified as a result of this inspection.

The owner/operator is hereby requested to submit in writing within 15 days of receipt of this notice a description of all corrective actions taken and/or a schedule for completion of necessary corrective actions to be taken to: Chief, Enforcement Section, Hazardous Waste Program, Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102 with a copy to the Director, St. Louis Regional Office, 10805 Sunset Office Dr., St. Louis, MO 63127 (Kathy Flippin)

The corrective actions taken within 15 days of this notice will be considered in determining whether enforcement action, including the assessment of civil penalties, should be initiated.

If you have any questions on this notice or wish to discuss your response, you may call Joe Trunko at (314) 822-0101 or Mike Struckhoff at (314) 822-0101.

Signature of Preparer [Signature] Date 3-2-98

The undersigned person hereby acknowledges that he/she received a copy of this Notice and has read same.

SIGNATURE Bryan E. Krug	PRINTED NAME Bryan E. Krug
TITLE Manager, Environmental and Hazardous Materials Services	DATE 3/2/98



MISSOURI DEPARTMENT OF NATURAL RESOURCES

NOTICE OF VIOLATION PURSUANT TO REQUIREMENTS OF THE MISSOURI
HAZARDOUS WASTE MANAGEMENT LAW, RULES AND REGULATIONS

5099

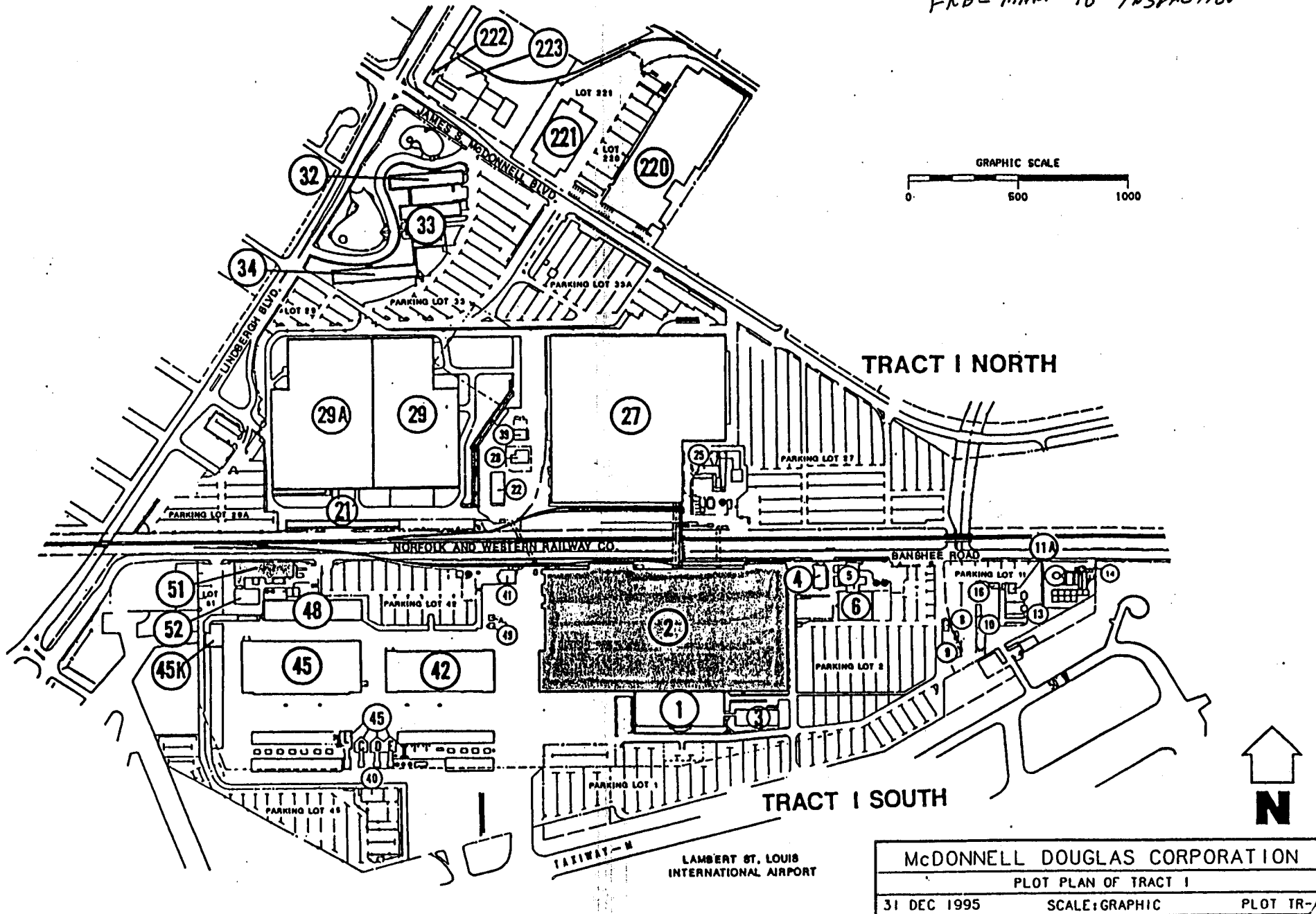
~~4219~~

page 2 of 2

FACILITY NAME McDonnell Douglas Corporation - Tract E			
ADDRESS Lindbergh & McDonnell Blvd.		CITY Hazelwood	STATE MO
MISSOURI ID NUMBER 001001		DATE OF INSPECTION 2-26-98 / 3-2-98	
During an inspection and/or a review of information or documentation completed this date to determine compliance with the requirements of the Missouri Hazardous Waste Management Law, Section 260.350 - 260.550 RSMo, and/or the Rules and Regulations 10 CSR 25 the following violations were identified. The 40/49 CFR regulations cited below have been adopted by reference in the Missouri Hazardous Waste Regulations.			
CITATION		DESCRIPTION OF VIOLATION	
40 CFR 264.16(c)		Failure to provide annual refresher training	
40 CFR 264.15(a)		Failure to conduct adequate inspections of tanks in permitted storage area	
260.390(1) RSMo		Operating as a TSD without a permit (storage > 90 days Treatment of HW in WWTP)	
40 CFR 262.11		Failure to determine if waste is hazardous	
This information is provided to call your attention to those areas of noncompliance at the earliest possible time. This notice does not constitute a compliance order issued pursuant to Section 260.410, RSMo and may not be a complete listing of all violations which may be identified as a result of this inspection.			
The owner/operator is hereby requested to submit in writing within 15 days of receipt of this notice a description of all corrective actions taken and/or a schedule for completion of necessary corrective actions to be taken to: Chief, Enforcement Section, Hazardous Waste Program, Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102 with a copy to the Director, _____ Regional Office, _____			
The corrective actions taken within 15 days of this notice will be considered in determining whether enforcement action, including the assessment of civil penalties, should be initiated.			
If you have any questions on this notice or wish to discuss your response, you may call _____ at _____ or _____ at _____.			
Signature of Preparer _____		Date _____ 3-2-98	
The undersigned person hereby acknowledges that he/she received a copy of this Notice and has read same.			
SIGNATURE Bryan E. Kuny		PRINTED NAME Bryan E. Kuny	
TITLE Manager, Environmental and Hazardous Materials Services		DATE 3/2/98	

ATTACHMENT 2

OBTAINED DURING
FRB-MAR. 98 INSPECTION



ATTACHMENT 3

Hazardous Waste Streams and Shipping Names Tract I Annuals

MO ID	Product/Tank Usage Area	Proper Shipping Name	Other EPA Codes	HAZ Constituents/ Underlined HAZ Constituents	Specific Gravity
	B.27-158B, Tank 51, Plating Area Ammonia Persulfate	RQ, Waste Corrosive Liquids, N.O.S. (Ammonia Persulfate) 8, UN1760, PG II (D002) ERG # 60	D006	Chrome	1.0
003	B.27-158B, Tank 49, Plating Tanks Nitric/Chromic Acid	RQ, Waste Chromic Acid Solution 8, UN1755, PG II (D002/D007) ERG # 60	D006		1.0
003	B.27-162, Tank S-2, Aluminum Line Nitric Acid/Sodium Dichromate	RQ, Waste Corrosive Liquids, N.O.S. (Nitric/Chromic Acid) 8, UN1760, PG II (D002) ERG # 60	D007	Lead, Nickel	1.20
008 (a)	B.27-162, Tank 7, Aluminum Line Nitric Acid/Amchem 7/Amchem 17 Replenisher	RQ, Waste Corrosive Liquids, N.O.S. (Nitric/Chromic Acid) 8, UN1760, PG II (D002/D007) ERG # 60			1.16
008 (b)	B.27-162, Tank 18, Aluminum Line Nitric Acid/Amchem 7/Amchem 17 Replenisher	RQ, Waste Corrosive Liquids, N.O.S. (Nitric/Chromic Acid) 8, UN1760, PG II (D002/D007) ERG # 60			1.05
010 (a)	B. 27-158B, Tank 38, Plating Area Sulfuric Acid , Sod. Dichromate	RQ, Waste Sulfuric Acid, Spent 8, UN1832, PG II (D002) ERG # 39	D006/D007	Selenium	1.10
010 (b)	B.27-162, Tank J, Aluminum Line Sulfuric Acid w/Chrome	RQ, Waste Sulfuric Acid, Spent 8, UN1832, PG II (D002) ERG # 39	D007		1.23
010 (c)	B.27-162, Tank K, Aluminum Line Sulfuric Acid w/ Chrome	RQ, Waste Sulfuric Acid, Spent 8, UN1832, PG II (D002) ERG # 39	D007		1.18
010 (d)	B.27-162, Tank T-5, Titanium Line Sulfuric Acid w/Chrome	RQ, Waste Sulfuric Acid, Spent 8, UN1832, PG II (D002) ERG # 39	D007	Nickel, Lead	1.19
012 (a)	B.27-162, Tank 3, Aluminum Line Nitric/HF Acid	RQ, Waste Corrosive Liquids, N.O.S. (Nitric/Hydrofluoric Acid) 8, UN1760, PG II (D002) ERG # 60	D007		1.25
012 (b)	B.27-162, Tank T-8, Titanium Line Nitric/HF Acid	RQ, Waste Corrosive Liquids, N.O.S. (Nitric/Hydrofluoric Acid) 8, UN1760, PG II (D002) ERG # 60	D007	Cadmium, Lead, Nickel	1.49
013 (a)	B. 27-158B, Tank 22, Plating Area Chromic Acid	RQ, Waste Chromic Acid Solution 8, UN1755, PG II (D002/D007) ERG # 60	D006	Nickel	1.07
013(b)	B. 27-162, Tank 11, Aluminum Line Chromic Acid	RQ, Waste Chromic Acid Solution 8, UN1755, PG II (D007) ERG # 60			.97

Hazardous Waste Streams and Shipping Names Tract I Annuals

MO ID	Product/Tank Usage Area	Proper Shipping Name	Other EPA Codes	HAZ Constituents/ Underlined HAZ Constituents	Specific Gravity
013 (c)	B.27-158B, Tank 2, Plating Tanks Chromic Acid	RQ, Waste Chromic Acid Solution 8, UN1755, PG II (D002/D007) ERG # 60	D006/D008		1.20
013 (d)	B.27-158B, Tank 3, Plating Tanks Chromic Acid	RQ, Waste Chromic Acid Solution 8, UN1755, PG II (D002/D007) ERG # 60	D006/D008		1.10
013 (e)	B.27-158B, Tank 4, Plating Area Chromic Acid	RQ, Waste Chromic Acid Solution 8, UN1755, PG II (D002/D007) ERG # 60	D006	Silver, Barium, Nickel	1.18
013 (f)	B.27-162, Tank 5, Aluminum Line Chromic Acid	RQ, Waste Chromic Acid Solution 8, UN1755, PG II (D002/D007) ERG # 60			1.07
013 (g)	B.27-162, Tank 9, Aluminum Line Chromic Acid	RQ, Waste Chromic Acid Solution 8, UN1755, PG II (D002) ERG # 60	D005/D007		1.01
016 (a)	B.27-158B, Tank 9, Plating Area Hydrochloric Acid	RQ, Waste Hydrochloric Acid, Solution 8, UN1789, PG II (D002) ERG # 60	D006/D007/ D008	Nickel	1.10
016 (b)	B.27-158B, Tank 28, Plating Area Hydrochloric Acid	RQ, Waste Hydrochloric Acid, Solution 8, UN1789, PG II (D002) ERG # 60	D006	Chromium	1.03
017	B.27-158B, Tank 15, Plating Area Ammonia Nitrate	Hazardous Waste, Liquid, N.O.S., (Ammonia Nitrate Solution) 9, NA3082, PG III (D006) ERG # 31			1.09
021	B.27-158B, Tank 33, Plating Area Sulfuric/ HF Acids	RQ, Waste Corrosive liquids, N.O.S. (Sulfuric/Hydrofluoric Acid) 8, UN1760, PG III (D002) ERG # 60	D004/D006/ D007	Nickel	1.22
023 (a)	B. 27-162, Tank S5, Aluminum Line Nitric Acid	RQ, Waste Nitric Acid Solution 8, UN2031, PG II (D002) ERG # 44	D007	Lead	1.49
023 (b)	B.27-158B, Tank 40, Plating Area Nitric Acid	RQ, Waste Nitric Acid Solution 8, UN2031, PG II (D002) ERG # 44	D006/D007/ D008	Nickel	.99
023 (c)	B.27-162, Tank T-9, Titanium Line Nitric Acid	RQ, Waste Nitric Acid Solution 8, UN2031, PG II (D002) ERG # 44	D006/D007	Lead, Nickel	1.26
024 (a)	B.27-158B, Tank 12, Plating Area Sodium Hydroxide w/Chrome	RQ, Waste Sodium Hydroxide Solution 8, UN1824, PG II (D002/D007/D008) ERG # 60	D006	Nickel	1.09

Hazardous Waste Streams and Shipping Names Tract I Annuals

MO ID	Product/Tank Usage Area	Proper Shipping Name	Other EPA Codes	HAZ Constituents/ Underlined HAZ Constituents	Specific Gravity
024 (b)	B.27-158B, Tank 14, Aluminum Line Sodium Hydroxide w/Chrome	RQ, Waste Sodium Hydroxide Solution 8, UN1824, PG II (D002) ERG # 60	D006/D007/ D008	N/A	1.3
024 (c)	B.27-158B, Tanks 10 & 30, Plating Area Sodium Hydroxide w/Chrome	RQ, Waste Sodium Hydroxide Solution 8, UN1824, PG II (D002) ERG # 60	D006/D007/ D008		1.0
024 (d)	B.27-162, Tank T-1, Titanium Line Sodium Hydroxide w/Chrome	RQ, Waste Sodium Hydroxide Solution 8, UN1824, PG II (D002) ERG # 60	D007	Lead, Nickel	1.25
025 (a)	B.27-162, Tank 20, Aluminum Line Sodium Hydroxide Non-Hazardous	Sodium Hydroxide Solution 8, UN1824, PG II ERG # 60			1.01
025 (b)	B.27-162, Tank T-2, Titanium Line Sodium Hydroxide Solution (No Chrome)	RQ, Waste Sodium Hydroxide Solution 8, UN1824, PG II (D002) ERG #		Chrome	1.61
028	B.27-162, Tank M, Aluminum Line Potassium Dichromate	Hazardous Waste, Liquid, N.O.S. (Potassium Dichromate Solution) 9, NA3082, PG III (D007) ERG # 31			1.04
029 (a)	B.27-162, Tank 1, Aluminum Line Sodium Tetraborate Non-Hazardous	Waste Caustic Alkali Liquids, N.O.S. (Sodium Tetraborate) 8, UN1719, PG II ERG # 60	D007		1.02
029 (b)	B.27-162, Tank F, Aluminum Line Sodium Tetraborate	Waste Caustic Alkali Liquids, N.O.S. (Sodium Tetraborate) 8, UN1719, PG II ERG # 60		Chrome	1.03
038	Red Dumpster Waste	RQ, Hazardous Waste Solid, N.O.S. (Paint/Solvent Contaminated Material) 9, NA3077, PG III, (D007) ERG # 31	F002/F003/ F005	F002-TCE F003, MIBK, Xylene F005-MEK, Toluene	1.01
041 (a)	Chlorinated Solvents	RQ, Halogenated Irritating Liquids, N.O.S. (Use Specific Chlorinated Solvents) 6.1, UN1610, PGIII, (D040/F002) ERG # 58			1.3
041 (b)	Trichloroethylene (TCE)	RQ, Waste Trichloroethylene 6.1, UN1710, PGIII (D040/F001) Vapor Degreaser (D040/F002) Non-Vapor Degreaser ERG # 74			1.3
042 (a)	Waste Jet Fuel	RQ, Waste Fuel, Aviation, Turbine Engine 3, UN1863, PG II (D001) ERG # 27			.80

Hazardous Waste Streams and Shipping Names Tract I Annuals

MO ID	Product/Tank Usage Area	Proper Shipping Name	Other EPA Codes	HAZ Constituents/ Underlined HAZ Constituents	Specific Gravity
042 (b)	Jet Fuel Off-Spec	Fuel, Aviation, Turbine Engine 3, UN1863, PGII () ERG # 27			.80
043	Flammable Solvent/Paint Waste	RQ, Waste Paint Related Material 3, UN1263, PG III (D001/D007) ERG # 26	D035/F002 F003/F005	F002-Methylene Chloride, Trichloroethane F003-Ethyl Acetate, N-Butyll, Alcohol, MIBK, Ethylbenzene, Xylene, Cyclohexanone, Butyl Acetate, Methanol, Acetone F005-MEK, Toluene, Benzene, Isbutyl Alcohol	.99
044 (b)	Used Oil	Used Oil Non-Regulated			1.05
045	Flammable/Chlorinated Solvents	RQ, Waste Flammable Liquids, N.O.S. (Flammable/Chlorinated Solvents)3, UN1993, PGII (D001/D007) ERG # 26	D035/D039 D040/F002 F003/F005	F002- Trichloroethane, Trichloroethylene, Methylene Chloride, Chlorobenzene F003-Ethyl Acetate, N-Butyl, Alcohol, MIBK, Ethylbenzene, Xylene, Cyclohexanone, Methanol, Acetone, Ether Ether F005-MEK, Toluene, Isbutyl Alcohol	1.01
047	Chlorinated Oil	Hazardous Waste, Liquid, N.O.S. (Oil Contaminated with Chlorinated Solvents) 9, NA3082, PG III, () ERG # 31	D035/D039 D040/F002 F003/F005	F002- Trichloroethane, Trichloroethylene F003- MIBK, Xylene, Cyclohexanone, F005-MEK	.98
053	Acid, Alkaline Spill Clean-up	RQ, Waste Corrosive Solids, N.O.S. (Use Specific Chemical)8, UN1759, PGII (D002) ERG # 60			1.5
056	B.27-158B, Tank 35, Plating Area Ethylene Diamine, Nitric, Sulfonic Acid Solution	Hazardous Waste, Liquid, N.O.S. (Nitric/Sulfonic Acid Solution) 9, NA3082, PG III (D006) ERG # 31		Silver, Chromium, Nickel	1.19
080	Tract I Flammable Lab-Pack	RQ, Waste Flammable Liquids, N.O.S. (Flammable Laboratory Chemicals-Lab Pack) 3, UN1993, PG II, (D001) ERG # 27			
080	Tract I Corrosive Lab-Pack	RQ, Waste Corrosive Liquids, N.O.S. (Corrosive Laboratory Chemicals-Lab Pack) 8, UN1760, PG II, (D002) ERG # 60			
082	B.27-162, Tank T-6, Titanium Line	RQ, Waste Corrosive Liquids, N.O.S. (Nitric/Hydrofluoric/Phosphoric Acid) 8, UN1760, PG II, (D002) ERG # 60	D004/D007	Cadmium, Nickel	1.37

Hazardous Waste Streams and Shipping Names Tract I Annuals

MO ID	Product/Tank Usage Area	Proper Shipping Name	Other EPA Codes	HAZ Constituents/ Underlined HAZ Constituents	Specific Gravity
091	Acid Sludge	RQ, Waste Corrosive Solids, N.O.S. (Use Specific Acid Sludge) 8, UN1759, PG II (D002) ERG # 60	Use Tank Code	(Use tank elements)	1.32
092	Alkaline Sludge	RQ, Waste Corrosive Solids, N.O.S. (Use Specific Alkaline Chemical) 8, UN1759, PG II (D002) ERG # 60	Use Tank Code		2.10
126	B. 27-158B, Tank 24, Plating Area Sulfuric Nickel/Boric Acid	Waste Nickel Solution Non-hazardous			1.13
026	B.27-158B, Tank 27A, Plating Area Tanks 17, 27A, 46 Sodium Cyanide/Cadmium Solution	RQ, Waste Corrosive Liquid, Poisonous, N.O.S. (Sodium Cyanide) 8, UN2922, PGII (D003/D006) ERG # 59	D007/F007		1.08

Hazardous Waste Streams and Shipping Names Tract I - South & Remotes Sites

MO ID	Product/Tank Usage Area	Proper Shipping Name	Other EPA Codes	HAZ Constituents/ Underlined HAZ Constituents	Specific Gravity
	B.52, Tank S1 Ammonia Bifluoride Solution	Hazardous Waste, Liquid, N.O.S. (Ammonia Bifluoride Solution) 9, NA3082 PG III () ERG # 31	D004	Mercury	1.01
003	B.220, Tank D Nitric Chromic Acid, Passajell	RQ, Waste Corrosive Liquids, N.O.S. (Nitric/Chromic Acid) 8, UN1760, PG II (D002, D007) ERG # 60	D008	Nickel	1.17
010	B.220, Tank 5 Sulfuric Acid/Pott. Dichromate (Chrome)	RQ, Waste Sulfuric Acid, Spent 8, UN1832, PG II (D002/D007) ERG # 39	D008	Nickel	1.28
012 (a)	B.52, Tank T-3 Nitric/HF Acid Alumium Desmut	RQ, Waste Corrosive Liquids, N.O.S. (Nitric/Hydrofluoric Acid) 8, UN1760, PG II (D002) ERG # 60	D007/D008	Nickel	1.21
012 (b)	B.52, Tank S3 Nitric/HF Acid Titanium Pickle	RQ, Waste Corrosive Liquids, N.O.S. (Nitric/Hydrofluoric Acid) 8, UN1760, PG II (D002) ERG # 60	D004/D007/ D008	Cadmium, Nickel	1.32
012 (c)	B.52, Tank S5 Nitric/HF Acid Titanium Pickle	RQ, Waste Corrosive Liquids, N.O.S. (Nitric/Hydrofluoric Acid) 8, UN1760, PG II (D002) ERG # 60	D007/D008	Cadmium, Nickel	1.36
024	B.220, Tank A Turco ARR/Sodium Hydroxide (Contains Chrome)	RQ, Waste Sodium Hydroxide Solution 8, UN1824, PG II (D002) ERG # 60	D007	Silver, Nickel, Lead	1.24
025 (a)	B.2, Level 1, Dept. 126B Sodium Hydroxide Solution (Non- Hazardous)	Sodium Hydroxide Solution 8, UN1824, PG II () ERG #60			1.04
025 (b)	B.72-442E Sodium Hydroxide (No-Chrome)	RQ, Waste Sodium Hydroxide Solution 8, UN1824, PG II (D002) ERG # 60		Chrome, Silver	1.11
029 (a)	B. 220, Tank 2 Turco 4215S Sodium Tetraborate	Hazardous Waste, Liquid, N.O.S. (Sodium Tetraborate) 9, NA 3082, PGIII ERG # 31	D007		1.03
029 (b)	B.245-431-4 Sodium Tetraborate	Non-Hazardous Per Annual			1.08
035 (a)	B.52, Tank T-1 Sodium Hydroxide	RQ, Waste Sodium Hydroxide Solution 8, UN1824, PG II (D002) ERG # 60	D007	Silver, Mercury	1.35
035 (b)	B.52, Tank T-6 Sodium Hydroxide	RQ, Waste Sodium Hydroxide Solution 8, UN1824, PG II (D002) ERG # 60	D007		1.36

Hazardous Waste Streams and Shipping Names Tract I - South & Remotes Sites

MO ID	Product/Tank Usage Area	Proper Shipping Name	Other EPA Codes	HAZ Constituents/ Underlined HAZ Constituents	Specific Gravity
036	B.14, WWT Plant Wastewater Treatment Sludge	RQ, Hazardous Waste, Solid, N.O.S. (Wastewater Pretreatment Sludge) 9, NA3077, PG III (F006, F019) ERG # 31		Chromium	1.01
037 (a)	B. 2, Level 1, Oil Crib V. S. 653	Used Emulsified Cutting Oil Non-Regulated			1.05
037 (b)	B.276-444 Bio-cool 500	Used Emulsified Cutting Oil Non-Regulated			.99
038	Red Dumpster Waste	RQ, Hazardous Waste, Solid, N.O.S. (Paint/Solvent Contaminated Material) 9, NA3077, PG III, (D007) ERG # 31	F002/F003/ F005	F002- TCE F003- MIBK, Xylene F005- MEK, Toluene	1.01
041	Chlorinated Solvents	RQ, Halogenated Irritating Liquids, N. O.S. (Specific Chemical) 6.1, UN1610, PGIII (D040/F002) ERG # 58			1.3
041	Trichloroethylene (TCE)	RQ, Waste Trichloroethylene 6.1, UN1710, PGIII (D040/F001) Vapor Degreaser (D040/F002) Non-Vapor Degreaser ERG # 74			1.3
042 (a)	Waste Jet Fuel	RQ, Waste Fuel, Aviation, Turbine Engine 3, UN1863, PGII (D001) ERG # 27			.80
042 (b)	Jet Fuel Off Spec	Fuel, Aviation, Turbine Engine 3, UN1863, PGII ERG # 27			.80
043	Flammable Solvent/Paint Waste	RQ, Waste Paint Related Material 3, UN1263, PG III (D001/D007) ERG # 26	D035/F002/ F003/F005	F002-Methylene Chloride, Trichloroethane F003-Ethyl Acetate, N-Butyl, Alcohol, MIBK, Ethylbenzene, Xylene, Cyclohexanone, Butyl Acetate, Methanol, Acetone F005-MEK, Toluene, Benzene, Isbutyl Alcohol	.99
044	Tract I South Used Oil	Non-regulated Used Oil			
045	Flammable/Chlorinated Solvents	RQ, Waste Flammable Liquids, N.O.S. (Flammable, Chlorinated Solvents) 3, UN1993, PGII (D001/D007) ERG # 26	D035/D039/ D040/F002/ F003/F005	F002- Trichloroethane, Trichloroethylene, Methylene Chloride, Chlorobenzene F003-Ethyl Acetate, N-Butyl, Alcohol, MIBK, Ethylbenzene, Xylene, Cyclohexanone, Methanol, Acetone, Ether Ether F005-MEK, Toluene, Isbutyl Alcohol	1.01

Hazardous Waste Streams and Shipping Names Tract I - South & Remotes Sites

MO ID	Product/Tank Usage Area	Proper Shipping Name	Other EPA Codes	HAZ Constituents/ Underlined HAZ Constituents	Specific Gravity
047	Chlorinated Oil	Hazardous Waste, Liquid, N.O. S. (Oil Contaminated with Chlorinated Solvents) 9, NA3082, PGIII, () ERG # 31	D035/D039/ D040/F002/ F003/F005	F002- Trichloroethane, Trichloroethylene F003- MIBK, Ethylbenzene, Xylene, Cyclohexanone, Methanol, Acetone, Ether Ether F005-MEK	.98
053	Acid/Alkaline Spill Clean-Up	RQ, Waste Corrosive Solids, N.O.S. (Use Specific Chemical) 8, UN1759, PGII (D002) ERG # 60			1.5
075	B.220-180 Calcium Hydroxide (System 7 Mold Material)	RQ, Waste Corrosive Liquids, N.O.S. (Calcium Hydroxide) 8, UN1760, PG II (D002) ERG # 60			1.23
080	Corrosive Lab-Pack	RQ, Waste Corrosive Liquids, N.O.S (Corrosive Laboratory Chemicals-Lab Pack) 8, UN1760, PG II, (D002) ERG # 60			
080	Flammable Lab-Pack	RQ, Waste Flammable Liquids, N.O.S., (Flammable Laboratory Chemicals-Lab Pack) 3, UN1993, PG II, (D001) ERG # 27			
095	2 Level 1-126B Formic/Gluconic Acid/HF	RQ, Waste Corrosive Liquids, N.O.S. (Hydrofluoric Acid, Formic Acid) 8, UN1760, PG II, (D002) ERG # 60		Barium, Cadmium, Chrome	1.08
098	B. 276, Dept. 444 V. S. 759	Waste Coolant			.99

ATTACHMENT 4



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(573) 751-3176

GENERATOR'S HAZARDOUS WASTE
SUMMARY REPORT - PART I

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

GENERATOR'S NAME

McDONNELL DOUGLAS CORP TRACT 1
CONTACT: JOSEPH HAAKE
McDONNELL & LINDBERGH BLVD
HAZELWOOD, MO 63042

EPA ID# MOD000818963 MO ID# 001001

M.O.D.0.0.0.8.1.8.9.6.3 0.0.1.0.0.1

NOTE: THE FEDERAL EPA AND MISSOURI GENERATOR I.D. NUMBERS ARE ASSIGNED EXCLUSIVELY TO THE SITE WHERE WASTE IS PRODUCED. YOU MUST NOTIFY THE DEPARTMENT IF THE ADDRESS FOR THE SITE OF GENERATION CHANGES.

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION A - REPORT IDENTIFICATION

1. TYPE OF REPORT (CHECK ONE)

☒ QUARTERLY

☐ ANNUAL 6 - 30 _____ (YEAR)

2. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30-97 (YEAR)

☐ 12-31-____ (YEAR)

☐ 3-31-____ (YEAR)

☐ 6-30-____ (YEAR)

3. PAGE

1 OF 9

SECTION B - GENERATOR IDENTIFICATION

NOTE: Any change in either the mailing or site address from previous reports requires renotification to the Department.

4. GENERATOR'S NAME ☒ SAME AS LABEL

McDonnell Douglas Corporation

5. GENERATOR CONTACT PERSON (NAME) ☒ SAME AS LABEL

Joseph Haake

TELEPHONE NUMBER

(314) 232-6941

6. MAILING ADDRESS

P.O. Box 516, Mailcode S111-1099

CITY

St. Louis

STATE

MO

ZIP CODE

63166

7. PLANT SITE ADDRESS ☒ SAME AS LABEL

Lindbergh & McDonnell Blvd.

CITY

Hazelwood

STATE

MO

ZIP CODE

63042

8. NAME OF PARENT FIRM

McDonnell Douglas Corporation

OFFICE USE ONLY

SECTION C - STATUS OF WASTE GENERATED (CHECK ONE)

9.



SHIPPED OFF-SITE. Complete part 2, attach completed hazardous waste manifests, sign certification and transmit to the department.

10.



REPORTABLE QUANTITY NOT GENERATED. Sign certification and transmit to the department. (Do not complete Part 2)

11.



REPORTABLE QUANTITY GENERATED BUT NOT SHIPPED OFF-SITE THIS QUARTER. Sign certification and transmit to the department. (Do not complete Part 2)

SECTION D - COMMENTS

12.

SECTION E - CERTIFICATION STATEMENT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME

Bryan E. Kury

SIGNATURE

Bryan E. Kury

DATE

11/14/97



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(573) 751-3176

GENERATOR'S HAZARDOUS WASTE
SUMMARY REPORT - PART II

BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND
IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M.0.0.0.0.8.1.8.9.6.3

MISSOURI I.D. NUMBER

0.0.1.0.0.1

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

ATTENTION: Summarize all shipments made to the
Hazardous Waste Management Facility you have identified
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off-site management facility utilized.

SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30-97 (YEAR)

☐ 12-31- (YEAR)

☐ 3-31- (YEAR)

☐ 6-30- (YEAR)

2. PAGE

2 OF 9

SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Peoria Disposal Company

5. FACILITY SITE ADDRESS

4349 Southport Road

CITY

Peoria

STATE

IL

ZIP CODE

61615

4. FACILITY'S EPA I.D. NUMBER

I.L.0.0.0.0.8.0.5.8.1.2

6. FACILITY'S MISSOURI I.D. NUMBER

L.F.I.L.0.5

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. EPA HAZARDOUS WASTE NUMBER	9. TAX CODE (SEE INST.)	10. TOTAL AMOUNT OF WASTE	11. UNIT OF MEAS.	12. SPECIFIC GRAVITY	13. FINAL HANDLING CODE
1	Sand blast residue	0.0.0.8 . . .	A	2,500	P	•	0.8.0
2	Grit blast-paint related material	0.0.0.6 0.0.0.7	A	9,000	P	•	0.8.0
3		. . . . .				•	. . .
4		. . . . .				•	. . .
5		. . . . .				•	. . .
6		. . . . .				•	. . .
7		. . . . .				•	. . .
8		. . . . .				•	. . .

SECTION I - TRANSPORTATION SERVICES UTILIZED

14. COMPANY NAME	15. MISSOURI ID NO.	16. US EPA I.D. NUMBER
a Peoria Disposal Company	H. . . 1.1.9.1	I.L.0.0.0.9.8.4.8.1.9.3
b	H. . . . .	. . . . .
c	H. . . . .	. . . . .

SECTION J - COMMENTS

17.

080: Landfill



MISSOURI DEPARTMENT OF NATURAL RESOURCES
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GENERATOR NAME	McDonnell Douglas Corporation
EPA ID NUMBER	M.O.D.O.O.O.8.1.8.9.6.3
MISSOURI I.D. NUMBER	0.0.1.0.0.1

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SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART 1)

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☒ 9-30-**97** (YEAR) ☐ 12-31-____ (YEAR)
☐ 3-31-____ (YEAR) ☐ 6-30-____ (YEAR)

2. PAGE

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SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED) Heritage Environmental Services, Inc.			4. FACILITY'S EPA I.D. NUMBER I.N.D.O.9.3.2.1.9.0.1.2		
5. FACILITY SITE ADDRESS 7901 West Morris Street			6. FACILITY'S MISSOURI I.D. NUMBER R.R.I.N.O.3		
CITY Indianapolis	STATE IN	ZIP CODE 46231			

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. EPA HAZARDOUS WASTE NUMBER	9. TAX CODE (SEE INST.)	10. TOTAL AMOUNT OF WASTE	11. UNIT OF MEAS.	12. SPECIFIC GRAVITY	13. FINAL HANDLING CODE
1	Acid from oxide removal on metal surfaces	D-0-0-2 . . .		37,080	P	•	T-0-4
2	Acid from aluminum metal surface cleaning	D-0-0-2 . . .		27,820	P	•	T-0-4
3	Alkaline from chrome plating	D-0-0-2 D-0-0-7		37,460	P	•	T-0-4
4	Alkaline from chrome plating	D-0-0-2 D-0-0-6 D-0-0-7 D-0-0-8	A	550	P	•	T-0-4
5	Alkaline from derusting of metal parts	D-0-0-2 . . .		22,800	P	•	T-0-4
6	Industrial wastewater pretreatment sludge	F-0-0-6 F-0-1-9		86,460	P	•	D-8-0
7	Acid sludge from various process tanks	D-0-0-2 D-0-0-7	A	14,560	P	•	T-0-4
8	Acid sludge from various process tanks	D-0-0-2 . . .	A	9,900	P	•	T-0-4

SECTION I - TRANSPORTATION SERVICES UTILIZED

14. COMPANY NAME	15. MISSOURI ID NO.	16. US EPA I.D. NUMBER
a Heritage Transport, Inc.	H-1-4-6-4	I.N.D.O.5.8.4.8.4.1.1.4
b	H- . . . . .	. . . . .
c	H- . . . . .	. . . . .

SECTION J - COMMENTS

17.

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.

D80: Landfill



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
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**GENERATOR'S HAZARDOUS WASTE
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GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

MISSOURI I.D. NUMBER

0.0.1.0.0.1

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SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

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☒ 9-30-**97** (YEAR)

☐ 12-31-____ (YEAR)

☐ 3-31-____ (YEAR)

☐ 6-30-____ (YEAR)

2. PAGE

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SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Heritage Environmental Services, Inc.

5. FACILITY SITE ADDRESS

7901 West Morris Street

CITY

Indianapolis

STATE

IN

ZIP CODE

46231

4. FACILITY'S EPA I.D. NUMBER

I'N'D'O'9'3'2'1'9'0'1'2

6. FACILITY'S MISSOURI I.D. NUMBER

R'R'I'N'O'3

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. EPA HAZARDOUS WASTE NUMBER	9. TAX CODE (SEE INST.)	10. TOTAL AMOUNT OF WASTE	11. UNIT OF MEAS.	12. SPECIFIC GRAVITY	13. FINAL HANDLING CODE
1	Acid sludge from various process tanks	D-0-0-2 D-0-0-6 D-0-0-7 . . .	A	520	P	•	I'0'4
2	Alkaline sludge from various process tanks	D-0-0-2	A	8,250	P	•	I'0'4
3		. . . . .				•	. .
4		. . . . .				•	. .
5		. . . . .				•	. .
6		. . . . .				•	. .
7		. . . . .				•	. .
8		. . . . .				•	. .

SECTION I - TRANSPORTATION SERVICES UTILIZED

14. COMPANY NAME	15. MISSOURI ID NO.	16. US EPA I.D. NUMBER
a Heritage Transport, Inc.	H'...1'4'6'4	I'N'D'O'5'8'4'8'4'1'1'4
b	H'... . . .	. . . . .
c	H'... . . .	. . . . .

SECTION J - COMMENTS

17.

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
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**GENERATOR'S HAZARDOUS WASTE
SUMMARY REPORT - PART II**

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GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M.0.0.0.0.8.1.8.9.6.3

MISSOURI I.D. NUMBER

0.0.1.0.0.1

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☐ 3-31-____ (YEAR)

☐ 6-30-____ (YEAR)

2. PAGE

5 OF **9**

SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Safety-Kleen Corporation

5. FACILITY SITE ADDRESS

3700 LaGrange Road

CITY

Smithfield

STATE

KY

ZIP CODE

40068

4. FACILITY'S EPA I.D. NUMBER

KYD053348108

6. FACILITY'S MISSOURI I.D. NUMBER

RRKY02

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. EPA HAZARDOUS WASTE NUMBER	9. TAX CODE (SEE INST.)	10. TOTAL AMOUNT OF WASTE	11. UNIT OF MEAS.	12. SPECIFIC GRAVITY	13. FINAL HANDLING CODE
1	Jet aircraft fuel contaminated with oil/water	D-0-0-1 . . .	A	3,290	P	•	T 5 0
2	Ignitable solvents from painting/metal cleaning	D-0-0-1 D-0-0-7 D-0-3-5 F-0-0-2	A	21,360	P	•	T 5 0
3		F-0-0-3 F-0-0-5				•	. .
4	Ignitable solvents from painting/metal cleaning	D-0-0-1 D-0-0-7 D-0-0-8 D-0-3-5	A	42,975	P	•	T 5 0
5		F-0-0-3 F-0-0-5				•	. .
6	Ignitable/chlorinated solvents	D-0-0-1 D-0-0-7 D-0-3-5 D-0-3-9	A	4,005	P	•	T 5 0
7		D-0-4-0 F-0-0-2 F-0-0-3 F-0-0-5				•	. .
8	Oil contaminated with chlorinated solvents	F-0-0-2 F-0-0-5	A	14,270	P	•	T 5 0

SECTION I - TRANSPORTATION SERVICES UTILIZED

14. COMPANY NAME	15. MISSOURI ID NO.	16. US EPA I.D. NUMBER
a Schiber Truck Company	H-11427	I10006493191
b	H- . . . . .	. . . . .
c	H- . . . . .	. . . . .

SECTION J - COMMENTS

17.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
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**GENERATOR'S HAZARDOUS WASTE
SUMMARY REPORT - PART II**

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GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

MISSOURI I.D. NUMBER

0 .0 .1 .0 .0 .1

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SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

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☐ 3-31-____ (YEAR)

☐ 6-30-____ (YEAR)

2. PAGE

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SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Safety-Kleen Corporation

5. FACILITY SITE ADDRESS

3700 LaGrange Road

CITY

Smithfield

STATE

KY

ZIP CODE

40068

4. FACILITY'S EPA I.D. NUMBER

K.Y.D.O.5.3.3.4.8.1.0.8

6. FACILITY'S MISSOURI I.D. NUMBER

R.R.K.Y.O.2

SECTION H - WASTE IDENTIFICATION

L I N E	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. EPA HAZARDOUS WASTE NUMBER	9. TAX CODE (SEE INST.)	10. TOTAL AMOUNT OF WASTE	11. UNIT OF MEAS.	12. SPECIFIC GRAVITY	13. FINAL HANDLING CODE
1	Ignitable/chlorinated solvents	D-0-0-1 D-0-0-7 D-0-4-0 F-0-0-2	A	8,750	P	•	T 5 0
2		F-0-0-3 F-0-0-5 D-0-3-5				•	. .
3	Oil contaminated with chlorinated solvents	D-0-3-5 D-0-3-9 D-0-4-0 F-0-0-2	A	9,790	P	•	T 5 0
4		F-0-0-3 F-0-0-5				•	. .
5		. . . . .				•	. .
6		. . . . .				•	. .
7		. . . . .				•	. .
8		. . . . .				•	. .

SECTION I - TRANSPORTATION SERVICES UTILIZED

14. COMPANY NAME

a	Schiber Truck Company
b	
c	

15. MISSOURI ID NO.

H-11427
H-
H-

16. US EPA I.D. NUMBER

I.L.D.O.O.6.4.9.3.1.9.1
.
.

SECTION J - COMMENTS

17.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
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**GENERATOR'S HAZARDOUS WASTE
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McDonnell Douglas Corporation

EPA ID NUMBER

M.0.D.0.0.0.8.1.8.9.6.3

MISSOURI I.D. NUMBER

0.0.1.0.0.1

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☐ 3-31-____ (YEAR)

☐ 6-30-____ (YEAR)

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SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Safety-Kleen Corporation

5. FACILITY SITE ADDRESS

4526 Towne Ct., Harvestowne Industrial Park

4. FACILITY'S EPA I.D. NUMBER

M'0'D'0'9'5'4'8'6'3'1'2

6. FACILITY'S MISSOURI I.D. NUMBER

H'H'0'0'2'3

CITY

St. Charles

STATE

MO

ZIP CODE

63304

SECTION H - WASTE IDENTIFICATION

LINE	7.	8.		9.	10.	11.	12.	13.
	DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	EPA HAZARDOUS WASTE NUMBER		TAX CODE (SEE INST.)	TOTAL AMOUNT OF WASTE	UNIT OF MEAS.	SPECIFIC GRAVITY	FINAL HANDLING CODE
1	Combustible solvent from painting/metal cleaning	D-0-0-8	D-0-1-8	A	1.514	P	:	T 5 4
		D-0-3-9	D-0-4-0					
2	Corrosive liquid from parts cleaning	D-0-0-6	D-0-0-8	A	426	P	:	T 5 4
		D-0-1-8	D-0-2-7					
3		D-0-3-9	D-0-4-0				:	.
		.	.				:	.
4		.	.				:	.
		.	.				:	.
5		.	.				:	.
		.	.				:	.
6		.	.				:	.
		.	.				:	.
7		.	.				:	.
		.	.				:	.
8		.	.				:	.
		.	.				:	.

SECTION I - TRANSPORTATION SERVICES UTILIZED

14. COMPANY NAME		15. MISSOURI ID NO.	16. US EPA I.D. NUMBER
a	Safety-Kleen Corporation	H'1 2 7 3	M'0'D'0'9'5'4'8'6'3'1'2
b		H'•••••	••••••••••
c		H'•••••	••••••••••

SECTION J - COMMENTS

17.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
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GENERATOR'S HAZARDOUS WASTE
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McDonnell Douglas Corporation

EPA ID NUMBER

M-0-0-0-0-0-8-1-8-9-6-3

MISSOURI I.D. NUMBER

0-0-1-0-0-1

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☐ 12-31- (YEAR)

☐ 3-31- (YEAR)

☐ 6-30- (YEAR)

2. PAGE

8 OF 9

SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Laidlaw Environmental Services, Inc.

5. FACILITY SITE ADDRESS

P.O. Box 609, 2027 Battleground Road

CITY

Deer Park

STATE

TX

ZIP CODE

77536

4. FACILITY'S EPA I.D. NUMBER

T-X-0-0-5-5-1-4-1-3-7-8

6. FACILITY'S MISSOURI I.D. NUMBER

I-N-T-X-1-6

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. EPA HAZARDOUS WASTE NUMBER	9. TAX CODE (SEE INST.)	10. TOTAL AMOUNT OF WASTE	11. UNIT OF MEAS.	12. SPECIFIC GRAVITY	13. FINAL HANDLING CODE
1	Debris from aircraft servicing/painting	D-0-0-7 F-0-0-2 F-0-0-3 F-0-0-5		50,540	P	•	T-0-3
2	Miscellaneous laboratory chemicals	D-0-0-2	A	20	P	•	T-0-3
3	Miscellaneous laboratory chemicals	D-0-0-2	A	770	P	•	T-0-3
4	Miscellaneous laboratory chemicals	D-0-0-2 D-0-0-7	A	5	P	•	T-0-3
5	Corrosive laboratory chemicals	D-0-0-2	A	80	P	•	T-0-3
6	Miscellaneous laboratory chemicals	D-0-0-1 U-2-3-9	A	125	P	•	T-0-3
7		. . . . . . . . . .				•	. .
8		. . . . . . . . . .				•	. .

SECTION I - TRANSPORTATION SERVICES UTILIZED

14. COMPANY NAME	15. MISSOURI ID NO.	16. US EPA I.D. NUMBER
a Peoria Disposal Company	H-0-1-1-9-1	I-L-D-0-0-9-8-4-8-1-9-3
b Laidlaw Environmental Services, Inc.	H-0-1-6-0-1	S-C-0-9-8-7-5-7-4-6-4-7
c	H-

SECTION J - COMMENTS

17.



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McDonnell Douglas Corporation

EPA ID NUMBER

M-0-D-0-0-0-8-1-8-9-6-3

MISSOURI I.D. NUMBER

0-0-1-0-0-1

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SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

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☐ 6-30-____ (YEAR)

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SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Dynex Environmental, Inc.

5. FACILITY SITE ADDRESS

6801 Industrial Loop

4. FACILITY'S EPA I.D. NUMBER

W-I-D-0-7-1-1-6-4-0-3-2

6. FACILITY'S MISSOURI I.D. NUMBER

CITY

Greendale

STATE

WI

ZIP CODE

53129

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. EPA HAZARDOUS WASTE NUMBER	9. TAX CODE (SEE INST.)	10. TOTAL AMOUNT OF WASTE	11. UNIT OF MEAS.	12. SPECIFIC GRAVITY	13. FINAL HANDLING CODE
1	Lamps containing mercury	D-0-0-9		10,200	P	•	T-0-4
2						•	
3						•	
4						•	
5						•	
6						•	
7						•	
8						•	

SECTION I - TRANSPORTATION SERVICES UTILIZED

14. COMPANY NAME	15. MISSOURI ID NO.	16. US EPA I.D. NUMBER
a AAA Environmental Industries	H-2-2-0-0	W-I-D-0-0-0-1-2-2-3-5-8
b	H-...	...
c	H-...	...

SECTION J - COMMENTS

17.

T04: Recycle

Facility Missouri ID omitted, per MODNR.

ATTACHMENT 5



MISSOURI DEPARTMENT OF NATURAL RESOURCES
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(314) 751-3176

FACILITY SUMMARY REPORT PART I

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

FACILITY NAME

McDonnell Douglas Corporation - Tract I

CONTACT PERSON (NAME)

Jospeh Haake

SITE STREET ADDRESS (DO NOT ENTER P.O. BOX)

Lindbergh & McDonnell Blvd.

CITY

STATE

ZIP CODE

Hazelwood

MO

63042

FACILITY'S EPA I.D. NUMBER

M 0 D 0 0 0 8 1 8 9 6 3

FACILITY'S MISSOURI I.D. NUMBER

R . R . 0 . 2 . 6 . 8

NOTE: THE FEDERAL EPA AND MISSOURI FACILITY I.D. NUMBERS ARE ASSIGNED EXCLUSIVELY TO THE SITE WHERE WASTE IS HANDLED. YOU MUST NOTIFY THE DEPARTMENT IF THE ADDRESS FOR THE FACILITY SITE CHANGES.

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION A - REPORT IDENTIFICATION

IMPORTANT: ALL MISSOURI BASED FACILITIES THAT RECLAIM, TREAT, STORE, OR DISPOSE HAZARDOUS WASTE ON-SITE SHALL REPORT THE TYPE, QUANTITY AND HANDLING METHOD USED FOR EACH WASTE RECEIVED FROM ALL SOURCES. ALL FACILITIES MUST REPORT QUARTERLY.

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- 97 (YEAR) ☐ 12-31- ____ (YEAR)

☐ 3-31- ____ (YEAR) ☐ 6-30- ____ (YEAR)

2. PAGE

1 OF 12

SECTION B - FACILITY IDENTIFICATION

3. FACILITY NAME ☐ SAME AS LABEL

McDonnell Douglas Corporation

4. FACILITY CONTACT PERSON (NAME) ☒ SAME AS LABEL

Joseph Haake

TELEPHONE NUMBER

(314) 232-3319

5. MAILING ADDRESS

P.O. Box 516, Mailcode s111-1099

CITY

St. Louis

STATE

MO

ZIP CODE

63166

6. PLANT SITE ADDRESS ☐ SAME AS LABEL

Lindbergh & McDonnell Blvd.

CITY

Hazelwood

STATE

MO

ZIP CODE

63042

7. NAME OF PARENT FIRM

McDonnell Douglas Corporation

OFFICE USE ONLY

SECTION C - COMMENTS

8.

SECTION D - CERTIFICATION STATEMENT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME

Bryan E. Kury

SIGNATURE

Bryan E. Kury

DATE

11/14/97



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
**FACILITY SUMMARY REPORT
PART II**

BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA
ID NUMBER

M O D 0 0 0 8 1 8 9 6 3

FACILITY'S MISSOURI
I.D. NUMBER

R R 0 2 6 8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- 97 (YEAR) ☐ 12-31- ____ (YEAR)

☐ 3-31- ____ (YEAR) ☐ 6-30- ____ (YEAR)

2. PAGE

2 OF 12

NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S.EPA I.D. NUMBER

M O D 0 7 5 8 8 8 4 8 7

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

2600 North Third Street, St. Charles, MO 63301

7. GENERATOR'S MISSOURI I.D. NUMBER

0 0 1 1 1 0

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Ignitable solvents from painting/metal cleaning	0 8	D 0 0 1	D 0 0 7	2,640	P	.	S 0 1	T 5 0
2			D 0 0 8	F 0 0 3					
			F 0 0 5	D 0 3 5					
3	Ignitable solvents from painting/metal cleaning	0 8	D 0 0 1	D 0 0 7	3,960	P	.	S 0 1	T 5 0
4			D 0 3 5	F 0 0 2					
			F 0 0 3	F 0 0 5					
5	Oil contaminated with chlorinated solvents	1 3	D 0 3 5	D 0 3 9	490	P	.	S 0 1	T 5 0
6			D 0 4 0	F 0 0 2					
			F 0 0 3	.					
7	Grit blast-paint related material	1 5	D 0 0 6	D 0 0 7	2,700	P	.	S 0 1	D 8 0
8	Ether/sodium aryl radical	0 8	D 0 0 1	D 0 0 2					
			.	.	47	P	.	S 0 1	T 0 3

SECTION H - COMMENTS

D80: Landfill



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
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PART II**

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FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA
ID NUMBER

M.O.D.0.0.0.8.1.8.9.6.3

FACILITY'S MISSOURI
I.D. NUMBER

R.R.0.2.6.8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- 97 (YEAR) ☐ 12-31- ____ (YEAR)

☐ 3-31- ____ (YEAR) ☐ 6-30- ____ (YEAR)

2. PAGE

3 OF 12

NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M O D 0 0 0 8 1 8 9 0 6

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

7. GENERATOR'S MISSOURI I.D. NUMBER

Airport Road & McDonnell Blvd., St. Louis, MO 63134

0 0 1 2 4 8

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

L I N E	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Acid from oxide removal on metal surfaces	0 2	D 0 0 2	D 0 0 7	1,556	P	.	S 0 1	T 0 4
2	Acid from chemical conversion coating	0 2	D 0 0 2	D 0 0 7	1,449	P	.	S 0 1	T 0 4
3	Acid from plating/anodizing aluminum/titanium	0 2	D 0 0 7	.	1,556	P	.	S 0 1	T 0 4
4	Acid from plating/hard coating	0 2	D 0 0 2	.	188	P	.	S 0 1	T 0 4
5	Acid from stainless steel pickling/plating	0 2	D 0 0 2	D 0 0 6	519	P	.	S 0 1	T 0 4
6	Acid from metal surface passivate	0 2	D 0 0 2	D 0 0 7	519	P	.	S 0 1	T 0 4
7	Chlorinated solvent from painting/paint removal	1 3	F 0 0 2	.	1,749	P	.	S 0 1	T 5 0
8	Acid from metal surface passivate	0 2	D 0 0 2	D 0 0 7	519	P	.	S 0 1	T 0 4

SECTION H - COMMENTS

15.

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
**FACILITY SUMMARY REPORT
PART II**

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FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA
ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI
I.D. NUMBER

R.R.O.2.6.8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- 97 (YEAR) ☐ 12-31- ____ (YEAR)
☐ 3-31- ____ (YEAR) ☐ 6-30- ____ (YEAR)

2. PAGE

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NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Airport Road & McDonnell Blvd., St. Louis, MO 63134

7. GENERATOR'S MISSOURI I.D. NUMBER

001248

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Ignitable solvents from painting/metal cleaning	08	D-0-0-1	D-0-0-7	11,880	P	.	S 0	1 T 5 0
2			D-0-3-5	F-0-0-2					
			F-0-0-3	F-0-0-5					
3	Ignitable solvents from painting/metal cleaning	08	D-0-0-1	D-0-0-7	14,080	P	.	S 0	1 T 5 0
4			D-0-0-8	D-0-3-5					
			F-0-0-3	F-0-0-5					
5	Ignitable/chlorinated solvents	08	D-0-0-1	D-0-0-7	4,093	P	.	S 0	1 T 5 0
6			D-0-3-5	D-0-3-9					
			D-0-4-0	F-0-0-2					
			F-0-0-3	F-0-0-5					
7	Ignitable/chlorinated solvents	08	D-0-0-1	D-0-0-7	5,117	P	.	S 0	1 T 5 0
8			D-0-4-0	F-0-0-2					
			F-0-0-3	F-0-0-5					
			D-0-3-5						

SECTION H - COMMENTS

15.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
**FACILITY SUMMARY REPORT
PART II**

BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA
ID NUMBER

M 0 0 0 0 8 1 8 9 6 3

FACILITY'S MISSOURI
I.D. NUMBER

R R 0 2 6 8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- 97 (YEAR) ☐ 12-31- ____ (YEAR)
☐ 3-31- ____ (YEAR) ☐ 6-30- ____ (YEAR)

2. PAGE

5 OF 12

NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M 0 0 0 0 8 1 8 9 0 6

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Airport Road & McDonnell Blvd., St. Louis, MO 63134

7. GENERATOR'S MISSOURI I.D. NUMBER

0 0 1 2 4 8

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Oil contaminated with chlorinated solvents	1 3	D 0 3 5	D 0 3 9	3,917	P	.	S 0 1	T 5 0
2		.	F 0 0 3	F 0 0 5			.	.	.
3	Oil contaminated with chlorinated solvents	1 3	F 0 0 2	F 0 0 5	5,875	P	.	S 0 1	T 5 0
4	Acid sludge from various process tanks	0 2	D 0 0 2	.	1,600	P	.	S 0 1	T 0 4
5	Sodium persulfate	.	D 0 0 2	.	90	P	.	S 0 1	T 0 4
6		.	.	.			.	.	.
7		.	.	.			.	.	.
8		.	.	.			.	.	.

SECTION H - COMMENTS

15.

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
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(314) 751-3176

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FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA
ID NUMBER

M 0 0 0 0 0 8 1 8 9 6 3

FACILITY'S MISSOURI
I.D. NUMBER

R R 0 2 6 8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- 97 (YEAR)

☐ 12-31- ____ (YEAR)

☐ 3-31- ____ (YEAR)

☐ 6-30- ____ (YEAR)

2. PAGE

6 OF 12

NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M 0 0 0 0 0 8 1 8 9 7 1

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

5775 Campus Pkwy., Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

0 0 1 2 5 1

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Acid from plating/anodizing aluminum/titanium	0 2	D 0 0 7	.	472	P	.	S 0 1	T 0 4
2	Debris from aircraft servicing/painting	1 5	D 0 0 7	F 0 0 2	1,035	P	.	S 0 1	T 0 3
3	Ignitable solvents from painting/metal cleaning	0 8	D 0 0 1	D 0 0 7	440	P	.	S 0 1	T 5 0
4			F 0 0 3	F 0 0 5			.		
5	Ignitable/chlorinated solvents	0 8	D 0 0 1	D 0 0 7	1,023	P	.	S 0 1	T 5 0
6			D 0 3 5	D 0 4 0			.		
7	Oil contaminated with chlorinated solvents	1 3	F 0 0 2	F 0 0 3	490	P	.	S 0 1	T 5 0
8			F 0 0 5	.			.		
			D 0 3 5	D 0 3 9			.		
			D 0 4 0	F 0 0 2			.		
			F 0 0 3	F 0 0 5			.		

SECTION H - COMMENTS

15. T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
**FACILITY SUMMARY REPORT
PART II**

BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA
ID NUMBER

M 0 . D . 0 . 0 . 8 . 1 . 8 . 9 . 6 . 3

FACILITY'S MISSOURI
I.D. NUMBER

R . R . 0 . 2 . 6 . 8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- 97 (YEAR) ☐ 12-31- ____ (YEAR)
☐ 3-31- ____ (YEAR) ☐ 6-30- ____ (YEAR)

2. PAGE

7 OF 12

NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M 0 D 0 0 0 8 1 8 9 7 1

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

5775 Campus Pkwy., Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

0 0 1 2 5 1

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
							INTERIM	FINAL
1	Flammable laboratory chemicals	0 8	D-0-0-1 . . .	240	P	.	S 0 1	T 0 3
2	Lamps containing mercury	.	D-0-0-9 . . .	1,340	P	.	S 0 1	T 0 4
3	Sand blast residue	.	D-0-0-8 . . .	1,500	P	.	S 0 1	D 8 0
4		.	. . . . .			.
5		.	. . . . .			.
6		.	. . . . .			.
7		.	. . . . .			.
8		.	. . . . .			.

SECTION H - COMMENTS

15.
T04: Recycle
D80: Landfill



MISSOURI, DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
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McDonnell Douglas Corporation

FACILITY'S EPA
ID NUMBER

M. O. D. 0. 0. 0. 8. 1. 8. 9. 6. 3

FACILITY'S MISSOURI
I.D. NUMBER

R. R. 0. 2. 6. 8

NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- **97** (YEAR)

☐ 12-31- ____ (YEAR)

☐ 3-31- ____ (YEAR)

☐ 6-30- ____ (YEAR)

2. PAGE

8 OF **12**

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3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M O D 0 0 0 8 1 8 9 2 2

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

4500 Goodfellow, St. Louis, MO 63120

7. GENERATOR'S MISSOURI I.D. NUMBER

0 0 1 2 5 2

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Lamps containing mercury	.	D-0-0-9	.	350	P	.	S 0 1	T 0 4
2		.	.	.			.	.	.
3		.	.	.			.	.	.
4		.	.	.			.	.	.
5		.	.	.			.	.	.
6		.	.	.			.	.	.
7		.	.	.			.	.	.
8		.	.	.			.	.	.

SECTION H - COMMENTS

15.

T04: Recycle



MISSOURI DEPARTMENT OF NATURAL RESOURCES
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ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI
I.D. NUMBER

R.R.O.2.6.8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- 97 (YEAR)

☐ 12-31- ____ (YEAR)

☐ 3-31- ____ (YEAR)

☐ 6-30- ____ (YEAR)

2. PAGE

9 OF 12

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3. GENERATOR'S NAME

McDonnell Douglas Corporation

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5. GENERATOR'S U.S. EPA I.D. NUMBER

M O D O O O 8 1 8 9 4 8

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Second & Morgan Streets, St. Charles, MO 63301

7. GENERATOR'S MISSOURI I.D. NUMBER

0 0 0 1 2 5 3

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

L I N E	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Oil contaminated with chlorinated solvents	1 3	F 0 0 2	F 0 0 5	490	P	.	S 0 1	T 5 0
2	
3	
4	
5	
6	
7	
8	

SECTION H - COMMENTS

15.



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FACILITY'S EPA
ID NUMBER

M 0 . D . 0 . 0 . 0 . 8 . 1 . 8 . 9 . 6 . 3

FACILITY'S MISSOURI
I.D. NUMBER

R . R . 0 . 2 . 6 . 8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- ____ (YEAR) ☐ 12-31- ____ (YEAR)

☐ 3-31- ____ (YEAR) ☐ 6-30- ____ (YEAR)

2. PAGE

10 OF 12

NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S.EPA I.D. NUMBER

M 0 D 9 8 0 9 6 8 4 5 7

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

8900 Frost, Berkeley, MO 63134

7. GENERATOR'S MISSOURI I.D. NUMBER

0 0 4 2 1 7

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Ignitable solvents from painting/metal cleaning	0 8	D 0 0 1	D 0 0 7	1,320	P	.	S 0 1	T 5 0
2			F 0 0 5	.			.	.	.
3	Oil contaminated with chlorinated solvents	1 3	F 0 0 2	F 0 0 5	490	P	.	S 0 1	T 5 0
4	Acid from pickling aluminum alloys	0 2	D 0 0 2	.	5,705	P	.	S 0 1	T 0 4
5	Lamps containing mercury		D 0 0 9	.	400	P	.	S 0 1	T 0 4
6	Potassium Hydroxide		D 0 0 2	.	495	P	.	S 0 1	T 0 4
7			.	.			.	.	.
8			.	.			.	.	.

SECTION H - COMMENTS

15.

Line 5: T04: Recycle

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



MISSOURI, DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
**FACILITY SUMMARY REPORT
PART II**

BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA
ID NUMBER

M 0 . D . 0 . 0 . 8 . 1 . 8 . 9 . 6 . 3

FACILITY'S MISSOURI
I.D. NUMBER

R . R . 0 . 2 . 6 . 8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- **97** (YEAR) ☐ 12-31- ____ (YEAR)
☐ 3-31- ____ (YEAR) ☐ 6-30- ____ (YEAR)

2. PAGE

11 OF **12**

NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M 0 D 0 0 0 8 1 8 9 6 3

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Lindbergh & McDonnell Blvd., Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

0 0 1 0 0 1

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Industrial wastewater pretreatment sludge	1 5	F 0 0 6	F 0 1 9	37,000	P	.	S 0 2	D 8 0
2	Solution from coating removal	0 2	D 0 0 2	.	559	P	.	S 0 1	T 0 3
3	Chlorinated solvent from degreasing	1 3	D 0 4 0	F 0 0 2	583	P	.	S 0 1	T 0 4
4	Chlorinated solvent from degreasing	1 3	F 0 0 2	.	583	P	.	S 0 1	T 0 4
5	Ignitable solvents from painting/metal cleaning	0 8	D 0 0 1	D 0 0 7	39,600	P	.	S 0 1	T 5 0
6		.	F 0 0 3	F 0 0 5			.		
7	Ignitable/chlorinated solvents	0 8	D 0 0 1	D 0 0 7	3,584	P	.	S 0 1	T 5 0
8		.	D 0 3 5	D 0 3 9			.		
		.	D 0 4 0	F 0 0 2			.		
		.	F 0 0 3	F 0 0 5			.		

SECTION H - COMMENTS

15.

D80: Landfill

T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.

Lines 3 & 4: T04: Recycle



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
**FACILITY SUMMARY REPORT
PART II**

BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA
ID NUMBER

M 0 . D . 0 . 0 . 8 . 1 . 8 . 9 . 6 . 3

FACILITY'S MISSOURI
I.D. NUMBER

R . R . 0 . 2 . 6 . 8

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☒ 9-30- 97 (YEAR) ☐ 12-31- ____ (YEAR)

☐ 3-31- ____ (YEAR) ☐ 6-30- ____ (YEAR)

2. PAGE

12 OF 12

NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

3. GENERATOR'S NAME

McDonnell Douglas Corporation

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX ☐

5. GENERATOR'S U.S. EPA I.D. NUMBER

M 0 0 0 0 0 8 1 8 9 6 3

6. GENERATOR'S ADDRESS

CITY

STATE

ZIP CODE

Lindbergh & McDonnell Blvd., Hazelwood, MO 63042

7. GENERATOR'S MISSOURI I.D. NUMBER

0 0 1 0 0 1

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE)

LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD CODE	10. EPA HAZARDOUS WASTE NUMBER		11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. HANDLING CODE	
								INTERIM	FINAL
1	Oil contaminated with chlorinated solvents	1 3	D 0 3 5	D 0 3 9	10,290	P	.	S 0 1	T 5 0
2			F 0 0 3	F 0 0 5			.		
3	Resin solution	0 8	D 0 0 1	.	3,773	P	.	S 0 1	T 5 0
4	Neutralizing/cleaning of an acid spill	0 2	D 0 0 2	.	1,066	P	.	S 0 1	T 0 4
5	Corrosive laboratory chemicals	0 2	D 0 0 2	.	2,475	P	.	S 0 1	T 0 3
6	Acid sludge from various process tanks	0 2	D 0 0 2	.	10,296	P	.	S 0 1	T 0 4
7	Alkaline sludge from various process tanks	0 2	D 0 0 2	.	11,858	P	.	S 0 1	T 0 4
8	Lamps containing mercury		D 0 0 9	.	21,840	P	.	S 0 1	T 0 4

SECTION H - COMMENTS

15. T04: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.

Line 8: T04: Recycle

ATTACHMENT 6

THE COM-
FORM ARE ON A

MENT MUST BE USED
MISSOURI-DESTINED
MENTS.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Hazardous Waste Program

P.O. Box 176 Jefferson City, Missouri 65102

314-751-3176

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPON
U.S. COAST GUARD
1-800-424-8802
CHEM TREC
1-800-424-9300
DEPT. OF NATURAL RESOU
314-634-2436

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No 2050-0039, Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M O D 0 0 0 8 1 8 9 6 3 0 3 2 5 8		Manifest Document No. 8		2. Page 1 of 1		Information in the shaded areas is required by State law.			
3. Generator's Name and Mailing Address McDonnell Douglas Corporation, Mailcode 111-1099 Lindbergh & McDonnell Blvds., Hazelwood, MO 63042						A. Missouri Manifest Document Number 0 0 1 0 0 1 3 2 5 8					
4. Generator's Phone (314) 232-3319 Attention: S. Johnson						B. State (Gen. Site Address) 001001 Same					
5. Transporter 1 Company Name Heritage Transport, Inc.						C. MO Trans ID H-1461-22732					
6. US EPA ID Number I N D 0 5 8 4 8 4 1 1 4						D. Transporter's Phone (314) 241-9406					
7. Transporter 2 Company Name None						E. MO Trans ID None					
8. US EPA ID Number						F. Transporter's Phone					
9. Designated Facility Name and Site Address Heritage Environmental Services, Inc. 7901 West Morris Street Indianapolis, IN 46231						G. State Facility's ID IND093219012					
10. US EPA ID Number I N D 0 9 3 2 1 9 0 1 2						H. Facility's Phone (317) 243-0811					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. Waste Emulsified Cutting Oil Non-regulated						Number Type 0,0,1 T,T		22020		P	
b.										EPA WASTE CODE None	
c.										STATE None	
d.										EPA WASTE CODE None	
J. Additional Descriptions of Materials Listed Above						HANDLING CODE (FACILITY USE ONLY)		INTERIM		FINAL	
I. MO ID 037						S 0 3		T 5 0		S G 0 982	
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Emergency contact: (314) 232-2285											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.											
Printed/Typed Name Edmund A. Hickory						Signature Edmund A. Hickory		Month Day Year 09/10/97			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Larry Pike						Signature Larry Pike		Month Day Year 09/10/97			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature		Month Day Year			
19. Discrepancy Indication Space											
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Mike Roush						Signature Mike Roush		Month Day Year 09/10/97			

PLEASE PRINT OR TYPE

(Form designed for use on elite (12-pitch typewriter))

Form approved. OMB No. 2050-0039. Expires 9-30-95

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA No.

Manifest
Document No.

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law, but
items D, F, H, I and K are required
by State law.

3. Generator's Name and Mailing Address

McDonnell Douglas Corporation, Mailcode 1111099

Lindbergh & McDonnell Blvd., Hazelwood, MO 63042

4. Generator's Phone (314) 232-3319

Attn: S. Johnson

5. Transporter 1 Company Name

Heritage Transport, Inc.

6. US EPA ID Number

TND05848411

7. Transporter 2 Company Name

None

8. US EPA ID Number

9. Designated Facility Name and Site Address

Heritage Environmental Services, Inc.

7901 West Morris Street

Indianapolis, IN 46231

10. US EPA ID Number

TND09321901

A. State Manifest Document Number

INA 1158167

B. State Generator's ID

001001 Same

C. State Transporter's ID

1464534924

D. Transporter's Phone

(317) 241-9406

E. State Transporter's ID

IND09321901

F. Transporter's Phone

(317) 243-0811

G. State Facility's ID

RRIN03 IND093219012

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. RQ, waste corrosive liquids, H.O.S.
(nitric/hydrofluoric acid)

8, UN1760, PGII (D002/D007)

ERG # 60

12. Containers

No. Type

0 0 1 T T

13. Total Quantity

32820

14. Unit W/Vol.

P

15. Waste No.

D002

B007

J. Additional Descriptions for Materials Listed Above

a. MO ID 012, Also D007

S.G. 1.25

15. Special Handling Instructions and Additional Information

"If unable to deliver to designated TSD facility, return to generator."

Emergency contact: (314) 232-2285

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Edmons A. Hinkle

Signature

[Signature]

Date

01/14/97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Timothy Renner

Signature

[Signature]

Date

01/14/97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

[Name]

Signature

[Signature]

Date

[Date]

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted item 19.

Printed/Typed Name

[Name]

Signature

[Signature]

Date

01/15/97

In case of a spill call the Indiana Office of Environmental Response at 317/241-4336 (day or night) and the National Response Center at 800/424-8802 or 202/426-2675.

WASTE MANAGEMENT DIVISION
DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111

Required under authority of Part 11
Part 121 of Act 451, 1994, as amended

Failure to file may subject you to
criminal and/or civil penalties, under
Sections 324.11151 or 324.12116 MC

Please print or type.

Form Approved. OMB No. 2050-0039 Expires 1

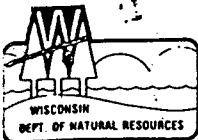
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded area is not required by Federal law.	
3. Generator's Name and Mailing Address McDonnell Douglas Corporation, Mailcode 1111099 Lindbergh & McDonnell Blvd., Hazelwood, MO 63042 314 232-3319 Attn: S. Johnson		4. Generator's Phone ()		6. US EPA ID Number I L D 0 0 6 4 9 3 1 9 1		A. State Manifest Document Number MI 4517302		B. State Generator's ID 001001 Same	
5. Transporter 1 Company Name Schiber Truck Company		7. Transporter 2 Company Name None		8. US EPA ID Number		C. State Transporter's ID H-1427		D. Transporter's Phone (618) 254-2	
9. Designated Facility Name and Site Address CyanokEM, Inc. (American Nukem Corp.) 12381 Schaefer Highway Detroit, MI 48227		10. US EPA ID Number A I D 0 9 8 0 1 1 9 9 2		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER) a. BO, waste corrosive liquids, H.O.S. X 8, UN1760, PGII (D002/D007) ERG 4-60 (Chromic acid/ferriocyanide)		b. 0 0 1 T T		c. 13580 P		d. D 0 0 2		I. Waste No.	
J. Additional Descriptions for Materials Listed Above a. Also, D007 NO ID 008		S.C. 1.16		K. Handling Codes for Wastes Listed Above		a/ /		b/ /	
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator."		16. Generator's Certification (314) 232-2285		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Edward J. H. K.		Signature <i>[Signature]</i>		Date 9/12/95	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Mike Young		Signature <i>[Signature]</i>		Date 9/12/95		19. Discrepancy Indication Space 40916		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Dono S Brown for CyanokEM	
Signature <i>[Signature]</i>		Date 9/12/95		Signature <i>[Signature]</i>		Date 9/12/95		Signature <i>[Signature]</i>	

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 617-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

GENERATOR

TRANSPORTER

FACILITY



STATE OF WISCONSIN
Chapter 144, Wis. Stats.
Form 4400-66P Rev. 5-95

State of Wisconsin
Department of Natural Resources
Bureau of Solid and Hazardous Waste Mgt.
Box 8094
Madison, Wisconsin 53708

FOR DNR USE ONLY

ALL COPIES MUST BE LEGIBLE,
PLEASE TYPE

Form designed for use on elite (12-pitch) typewriter.

Form Approved. OMB No. 2050-0039. Expires 9-30-95

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M O D O O 0 8 1 8 9 6 3	Manifest Document No. 0 1 3 1 4 1 6 1 8	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address McDonnell Douglas Corporation M/C S111-1099 P.O. Box 516 St. Louis, MO 63166-0516		Site Location If Different McDonnell Douglas Corp. Lindbergh & McDonnell Blvd Hazelwood, MO 63042		A. State Manifest Document Number WI J762426		
4. Generator's Phone (314) 232-3319				B. State Generator's ID 001001		
5. Transporter 1 Company Name AAA Environmental Industries		6. US EPA ID Number W I D O O 0 1 2 2 3 5 8		C. State Transporter's ID#-2200		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (414) 761-942		
9. Designated Facility Name and Site Address Dynex Environmental, Inc. 6801 Industrial Loop Greendale, WI 53129		10. US EPA ID Number W I D O 7 1 1 6 4 0 3 2		E. State Transporter's ID F. Transporter's Phone		
				G. State Facility's ID 16074		
				H. Facility's Phone (414) 421-4959		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NO HAZARDOUS WASTE SOLID, n.o.s. (lamps containing mercury), 9, HA3077, PEST (0009)		006	CW	02,000	P	D 0 0 9
b. NO HAZARDOUS WASTE SOLID, n.o.s. (lamps containing mercury), 9, HA3077, PEST (0009)		001	DP	00,110	P	D 0 0 9
c.						
d.						
J. Additional Descriptions for Materials Listed Above a. MO ID 116 b. MO ID 116		WI 374187		K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information If unable to deliver to designated TSD facility, return to generator." a) ERG#171 b) ERG#171. 24 Hour Emergency Contact: (314) 232-2285						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and according to the requirements of the Wisconsin Department of Natural Resources. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name & Position Title A. COLELL MCDONNELL DOUGLAS CORPORATION		Signature A. Colell McDonnell		Date Month Day Year 11/04/97		
17. TRANSPORTER 1 Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name & Position Title WILLIAM J. JACKSON		Signature William Jackson		Month Day Year 11/04/97		
18. TRANSPORTER 2 Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name & Position Title		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name & Position Title WILLIAM G. JOINES - TECHNICIAN		Signature W. G. Joines		Date Month Day Year 11/05/97		

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

Copy Distribution:

1 - Generator send to Wis. DNR

2 - Generator retain

3 - Facility send to Wis. DNR

4 - Facility retain

5 - Facility send to Generator

6 - Transporter retain

Emergency 24 Hour Assistance Telephone Number

In Wisconsin (608) 266-3232

Outside Wisconsin (800) 424-8802

COPY 5-

FACILITY SEND TO GENERATOR

Copies 1 & 3 mail to Wis. DNR at above address.

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEM TREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	-----------------------------	---

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No 2050-0039. Expires 9-30-99

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M O D 0 0 0 8 1 8 9 6 3 0 3 4 6 0		Manifest Document No. 0 3 4 6 0		2. Page 1 of 1		Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address McDonnell Douglas Corporation Lindbergh & McDonnell Blvd. Hazelwood, MO 63042		MAIL CODE S111-1099 ATTN: S. JOHNSON		A. Missouri Manifest Document Number 0 0 1 0 0 1 3 4 6 0		B. Gen. Site Address 001001			
4. Generator's Phone (314) 232-3319		6. US EPA ID Number I N D 0 5 8 4 8 4 1 1 4		C. MO Trans ID H-146		D. Transporter's Phone (314) 241-9406			
5. Transporter 1 Company Name Heritage Transport, Inc.		8. US EPA ID Number		E. MO Trans ID		F. Transporter's Phone			
7. Transporter 2 Company Name		10. US EPA ID Number I N D 0 9 3 2 1 9 0 1 2		G. State Facility ID RA1103		H. Facility Phone (314) 243-0811			
9. Designated Facility Name and Site Address Heritage Environmental Services, Inc. 7901 West Morris Street Indianapolis, IN 46231		11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any)) a. Waste emulsified cutting oil Non-regulated		12. Containers Number Type 0 0 1 T T 22880 P		13. Total Quantity 22880		14. Unit Wt/Vol P	
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." 24 Hour Emergency Contact: (314) 232-2285		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name EDWARD A. Hickey Signature Edward A. Hickey Month Day Year 11/10/97		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name DON WESA Signature Don Wesa Month Day Year 11/15/97		19. Discrepancy Indication Space	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name ED STUCKEY Signature Ed Stuckey Month Day Year 11/15/97									

ATTACHMENT 7

HAZARDOUS WASTE TRAINING STATUS

<u>NAME</u>	<u>EN</u>	<u>DEPT</u>	<u>95CRS</u>	<u>95DATE</u>	<u>JOB TITLE</u>	<u>BLDG</u>	<u>COMMENTS</u>
HOSS, ROBERT	112098	164C	4500	05-Jan	SPRAY PAINTER	048	

EMPLOYEES NOT
TRAINED IN 1997

HAZARDOUS WASTE TRAINING STATUS

<u>NAME</u>	<u>EN</u>	<u>DEPT</u>	<u>LAST</u> <u>TRNG</u> <u>DATE</u>	<u>98CRS</u>	<u>97CRS</u>	<u>JOB TITLE</u>	<u>BLDG</u>	<u>COMMENTS</u>
KASA, DALE	090305	283			R	TECH SPEC	042	
KOZLOWSKI, ROBERT	104632	283			R	SR PRINC TECHNICIAN	042	
LEBISH, EDWIN	129836	283			R	SR PRINC TECHNICIAN	042	
SUMMERS, TIM	404757	283			I	PRINC TECHNICIAN	042	
SWINEY, RONALD	090123	283			R	TECHNICIAN	042	
VAUGHN, MARTIN	404737	283			I	TECH SPEC	042	
WILKEN, KEITH	242849	283			I	TECHNICIAN	042	
BARNES, PHILLIP	225431	157B			I	SPRAY PAINTER	101	
BASSETT, BOB	224661	157B			R	SPRAY PAINTER	101	
BELL, MELVIN	094983	157B			R	SPRAY PAINTER	101	
BELTER, MICHAEL	226259	157B			I	SPRAY PAINTER	101	
CLARK, WILLIE	117196	157B			R	SPRAY PAINTER	101	
CROSS, YVONNE	133500	157B			R	UTILITY WKR	101	
DION, VIRGIL	092307	157B			R	SPRAY PAINTER	101	
DISMUKES, CHARLES	134263	157B			R	UTILITY WKR	101	
GENTEMANN, BRAD	177106	157B			R	SPRAY PAINTER	101	
GREEN, RICHARD	202606	157B		R	R	SPRAY PAINTER	101	
HANCOCK, JOHN	097684	157B			I	SPRAY PAINTER	101	
HEETER, KATHLEEN	191600	157B			R	SPRAY PAINTER	101	
JONES, FREDERICK	174318	157B			R	SPRAY PAINTER	101	
JORDAN, CELESTINE	200093	157B			R	SPRAY PAINTER	101	
LINHARDT, CLARENCE	107769	157B			R	SPRAY PAINTER	101	
MAYFIELD, EDWARD	226207	157B			R	SPRAY PAINTER	101	
NAEGER, HERMAN	065999	157B			R	PLASTIC WKR	101	
OAKLEY, THOMAS	193847	157B			R	UTILITY WKR	101	
OLSON, MARK	205567	157B			R	SPRAY PAINTER	101	
POLYS, MICHAEL	224668	157B			R	SPRAY PAINTER	101	
RICHARDSON, K.P.	097652	157B			R	SPRAY PAINTER	101	
SCHOEN, MICHAEL	223673	157B			R	SPRAY PAINTER	101	
SIMMONS, WILLIAM	139738	157B			R	SPRAY PAINTER	101	

HAZARDOUS WASTE TRAINING STATUS

<u>NAME</u>	<u>EN</u>	<u>DEPT</u>	<u>LAST</u> <u>TRNG</u> <u>DATE</u>	<u>98CRS</u>	<u>97CRS</u>	<u>JOB TITLE</u>	<u>BLDG</u>	<u>COMMENTS</u>
WRIGHT, GUS	224729	157B	04/04/96	I	I	SPRAY PAINTER	101	
ANGEL, NORMAN	107449	157C			R	CHEM PROCESSOR	101	
KINMAN, KEVIN	200846	157C			R	PLATER	101	
PICKENS, JAMES	126034	157C			R	CHEM PROCESSOR	101	
TAYLOR, CAROL	226188	157C			I	CHEM PROCESSOR	101	
TERRY, EDWARD	135643	157C			R	PLATER	101	
WHITTAKER, MADONNA	204342	157C			R	PLATER	101	
FERNANDEZ, DAVID	217096	157D			R	SPRAY PAINTER	101	
PIWOWARCZYK, LARRY	226157	157D			I	SPRAY PAINTER	101	
SCHNEIDER, DOUG	224671	157D			R	SPRAY PAINTER	101	
JOHNS, GEORGE	132534	162	11/21/95	I	I	CHEM PROCESSOR	027	
JOHNSON, CHARLES	125172	162	03/02/95	I	I	CHEM PROCESSOR	027	
JOHNSON, LARRY	223599	162	None	I	I	CHEM PROCESSOR	027	ADD 1097
STAUFFER, HAROLD	111570	162	02/15/95	I	R	CHEM PROCESSOR	027	
STRANGE, DON	216117	162	02/28/95	I	I	SPRAY PAINTER	027	
TATE-PARSON, JEANNE	144870	162	None	I	I	CHEM PROCESSOR	027	ADD 1097
TURNER, ANN	226142	162	10/12/95	I	I	SPRAY PAINTER	027	
CRUMP, CHARLES	223972	164A			I	SMAR PAINT SHOP	002	
FIELDS, GEORGE	127436	164A			I	SMAR PAINT SHOP	002	
HONERKAMP, M.C.	127030	164A			I	MECH PAINT SHOP	002	
MADISON, EDWARD	064470	164A			I	SMAR PAINT SHOP	002	
PALMER, LORETTA	176276	164A			I	SMAR PAINT SHOP	002	
SCHUSTER, EDWIN	045581	164A			I	PLASTIC WKR	002	
WILLIAMS, CURTIS	174386	164A			I	SMAR PAINT SHOP	002	
WILSON, WALT	067318	164A			I	SMAR PAINT SHOP	002	
ADAMS, ELLIOT	224707	164B			I	SPRAY PAINTER	048	
AUSTIN, RON	095940	164B			I	SIGN PAINTER	002	
BOSWORTH, JEFF	226169	164B			I	SPRAY PAINTER	002	
BROOKS, JOHN	096049	164B			I	SPRAY PAINTER	002	
BUXTON, E.F.	105256	164B			I	SPRAY PAINTER	002	
CLARK, HERMAN	097452	164B			I	SPRAY PAINTER	002	

HAZARDOUS WASTE TRAINING STATUS

<u>NAME</u>	<u>EN</u>	<u>DEPT</u>	<u>LAST</u> <u>TRNG</u> <u>DATE</u>	<u>98CRS</u>	<u>97CRS</u>	<u>JOB TITLE</u>	<u>BLDG</u>	<u>COMMENTS</u>
EBERT, ANTHONY	097574	164B			I	SPRAY PAINTER	002	
FRY, LARRY	096134	164B			I	SPRAY PAINTER	048	
FUSSELMAN, CRAIG	208842	164B			I	SPRAY PAINTER	048	
HOGSHEAD, DAVE	148228	164B			R	UTILITY WKR	048	
HUSKEY, PAUL	089888	164B			R	SPRAY PAINTER	002	
LIEU, DEWEY	053790	164B			I	SPRAY PAINTER	048	
NEAL, WILLIE	217198	164B			I	SPRAY PAINTER	048	
PICKETT, WALTER	216561	164B			I	SPRAY PAINTER	002	
REUTHER, KEVIN	223639	164B			I	SPRAY PAINTER	048	
RHODUS, VINCE	208846	164B			I	SPRAY PAINTER	048	
SHAWGO, GLENN	194157	164B			I	SIGN PAINTER	002	
TROLL, CHUCK	208995	164B			I	SPRAY PAINTER	002	
WILLIAMS, JERRY	097547	164B			I	SPRAY PAINTER	002	
WILSON, WILBUR	146534	164B			I	UTILITY WKR	048	
BALTHASAR, GREG	223528	164C			I	SPRAY PAINTER	048	
BRANNON, ROBERT	226296	164C			I	SPRAY PAINTER	048	
CANTER, JAMES	215656	164C			I	SPRAY PAINTER	048	
COLEMAN, RAMONT	208808	164C			I	SPRAY PAINTER	048	
COMBS, DARRIN	224833	164C			I	SPRAY PAINTER	048	
FERGUSON, SHERMAN	216568	164C			I	SPRAY PAINTER	048	
GAEHLE, LARRY	216512	164C			I	SPRAY PAINTER	048	
HAM, LLOYD	224658	164C			I	SPRAY PAINTER	048	
HOSS, ROBERT	112098	164C			I	SPRAY PAINTER	048	
KERR, MIKE	201945	164C			I	SPRAY PAINTER	048	
LAUGHLIN, STUART	226911	164C			I	SPRAY PAINTER	048	
MAGUIRE, JERRY	177275	164C			I	SPRAY PAINTER	048	
MEYER, DAVE	173197	164C			I	SPRAY PAINTER	048	
PONDER, DAVID	209838	164C			I	SPRAY PAINTER	048	
PULCHER, DAN	201931	164C			I	SPRAY PAINTER	048	

HAZARDOUS WASTE TRAINING STATUS

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SIMS, JEFF	187771	164C			I	SPRAY PAINTER	048	
WELBY, BOB	097585	164C			I	SPRAY PAINTER	048	
AUBUCHON, PATRICK	276478	283			I	TECHNICIAN	042	
CONDERMAN, E.J.	170187	283 S918			I	ENGR MFG	042	
BELINA, RICK	257495	283W			R	PRINC TECHNICIAN	067	
SMITH, RENWICK	101068	283W			R	TECHNICIAN	066	
ATKINS, BERTRAM	191325	441A	02/03/98	22466	R	MAINT MECH	002	
BESS, ALAN	235238	441A		I	I	GROUP MGR FAC	002	ADD 1197
BOOKER, BILLY	193309	441A	None	I	I	MAINT WKR	002	LOA 0198
ENOCH, FANNIE	188175	441A	None	I	I	MAINT WKR	002	ADD 0597
ESTELLE, SAM	203414	441A	02/03/98	22466	I	MAINT MECH	002	ADD 0996 CARP
HAGER, BILL	177078	441A	02/03/98	22466	I	MAINT MECH	002	
HOCH, FRED	176333	441A	02/03/98	22466	I	MAINT MECH	002	
HOGUE, DANNY	177117	441A	02/23/95	I	I	MAINT MECH	002	
KACH, BRUCE	199621	441A		I	I	GROUP MGR FAC	002	ADD 1197
MASTERS, BOBBY	112259	441A	02/03/98	22466	I	MAINT MECH	002	
OVERMAN, RICHARD	084125	441A	02/17/95	I	R	MAINT MECH	002	
RUPPRECHT, RON	113797	441A	None	I	I	MAINT MECHANIC	002	ADD 0997
SCHWADERER, DALE	195803	441A	02/03/98	22466	I	MAINT WKR	002	ADD 0597
SHANNON, MARK	740444	441A	11/11/95	I	I	MAINT PAINTER	002	ADD 0197
STROUD, JOHN	188435	441A	02/23/95	I	I	MAINT MECH	002	
WHITE, TOMMY	146146	441A	02/23/95	I	I	MAINT WKR	002	
WINSEL, THOMAS	177083	441A	02/25/98	22478	R	MAINT PAINTER	002	
BLANKENSHIP, MICHAEL	223996	441B	02/03/98	22466	I	PIPEFITTER	040	HAZWOPER 1296
CIAMPOLI, TED	185459	441B	02/03/98	22466	I	GROUP MGR FAC	040	
FINLEY, LINZIE	083326	441B	03/29/96	R	R	MAINT WKR	045	
GILLESPIE, JOE	198344	441B	02/02/98	22478	R	MAINT PAINTER	045	
GREEN, CHRIS	189104	441B	None	I	I	MAINT WKR	040	ADD 0597
GRIMES, JEFFREY	195129	441B	03/29/96	R	R	MAINT WKR	045	
HARSZY, MARSHA	192873	441B	03/25/96	R	R	MAINT WKR	045	
HEIL, JIM	223973	441B	02/02/98	22478	R	PIPEFITTER	040	HAZWOPER 1296
HENDERSON, BRUCE	182353	441B	02/03/98	22466	I	PIPEFITTER	040	ADD 0996 WELD
ISAAC, HAROLD	188644	441B	02/03/98	22466	I	PIPEFITTER	040	
LADD, AUBREY	175467	441B	03/25/96	R	R	MAINT WKR	045	
MAXWELL, SCOTT	236853	441B	02/03/98	22466	I	GROUP MGR FAC	045	ADD 0197

HAZARDOUS WASTE TRAINING STATUS

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RHODES, KIM	194388	441B	03/29/96	R	R	MAINT WKR	045	
WYLAND, JIM	194152	441B	02/02/98	22478	R	MAINT PAINTER	045	
BEAVER, JERRY	273515	441D	None	I	I	PIPEFITTER	029	ADD 1097
BOWMAN, FLOYD	132280	441D	03/29/96	R	R	MAINT WKR	027	
DUNCAN, DAVID	741061	441D		I	I	PIPEFITTER	027	ADD 1197
GLISPIE, TYRONE	187007	441D	11/09/95	R	R	MAINT WKR	027	
HARMAN, ED	218877	441D	02/12/98	22478	R	PIPEFITTER	029A	HAZWOPER 1296
HENKHAUS, VICTOR	263252	441D	None	I	I	PIPEFITTER	029	ADD 0797
HOLM, TERRY	197487	441D	02/10/98	22466	I	MAINT WKR	029	ADD 0497
HOUSE-DOCKETT, PHYLLIS	217663	441D	None	I	I	MAINT WKR	027	ADD 0897
HOWELL, JACK	193315	441D	02/10/98	22466	R	GROUP MGR FAC	029	HAZWOPER 1296
KEEVEN, GERALD	181635	441D	02/10/98	22466	I	PIPEFITTER	027	ADD 0996 WELD
KOCLANES, JAMES	170329	441D	05/22/96	R	R	MGR FAC	027	
MILLER, DON	147567	441D		I	I	PIPEFITTER	029A	ADD 1197
OWENS, LINALD	205983	441D	02/10/98	22466	I	MAINT WKR	027	ADD 0997
POTTS, LONNIE	174454	441D	12/04/96	R	R	PIPEFITTER	027	HAZWOPER 1296
RADAE, ALEX	224010	441D	12/04/96	R	R	PIPEFITTER	029A	HAZWOPER 1296
SCHUCHARDT, DONALD	092258	441D	02/10/98	22466	I	PIPEFITTER	029A	
SMITH, BRUCE	198166	441D		X	R	PIPEFITTER	027	REMOV 0198
SPOONSTER, ROBERT	186216	441D	01/23/96	R	R	PIPEFITTER	029	
TEBEAU, THOMAS	121616	441D	01/23/96	R	R	GROUP MGR FAC	027	ADD 0197
WREATH, JOHN	225951	441D	12/03/96	R	R	PIPEFITTER	027	HAZWOPER 1296
WRIGHT, JOHN	188146	441D	02/10/98	22466	R	MAINT MECH	027	
ARMSTRONG, MIKE	224782	442A	01/18/96	R	R	PIPEFITTER	101	
FRISON, STERLING	228998	442A		I	I	GROUP MGR FAC	101	ADD 1197
JOHNSON, LEO	195905	442A	02/19/98	22466	I	MAINT MECH	101	ADD 0997
LEE, JAMES	209442	442A	None	I	I	MAINT WKR	102	ADD 0997
NAES, JAMES	190412	442A	02/17/98	22466	I	MAINT MECH	064	ADD 0996 CARP
PATT, LARRY	198457	442A	11/26/96	R	R	MAINT PAINTER	101	
SIMON, GEORGE	206164	442A	02/19/98	22466	I	MAINT WKR	064	ADD 0997
INDELICATO, JASPER	140077	442E	02/20/98	22478	R	MAINT WKR	072	
STRUENSE, DAVID	226247	442E		I	I	MAINT PAINTER	245	ADD 1197
UTLEY, LEONARD	146561	442E	None	I	I	MAINT MECH	245	ADD 0996 CARP
ATKINS, DEBRA	217857	445B	02/19/98	22466	I	MAINT WKR	270	ADD 0897
AUSTIN, ALBERT SR.	169717	445B	02/13/98	22478	R	MAINT PAINTER	081	
CHAMBERS, GEORGE	740107	445B	02/03/98	22466	R	PIPEFITTER	598	

HAZARDOUS WASTE TRAINING STATUS

<u>NAME</u>	<u>EN</u>	<u>DEPT</u>	<u>LAST</u> <u>TRNG</u> <u>DATE</u>	<u>98CRS</u>	<u>97CRS</u>	<u>JOB TITLE</u>	<u>BLDG</u>	<u>COMMENTS</u>
CUBERO, CARLOS	273511	445B	None	I	I	PIPEFITTER	598	ADD 1097
GILL, RANDY	738560	445B	01/19/96	I	I	MAINT WKR	276	
HARMON, ROY	738329	445B	02/19/98	22466	I	MAINT MECH	598	
HIGGINS, EUGENE	273255	445B	02/10/98	22466	I	PIPEFITTER	270	ADD 0797
HUBBARD, RICHARD	739473	445B	02/03/98	22466	R	MAINT PAINTER	598	
HUDSON, JOHN	106956	445B	None	I	I	MAINT WKR	270	ADD 0996
IANNICOLA, JOHN	197211	445B	None	I	I	MAINT MECH	033	ADD 0996 CARP
JOHNSON, GREGORY	740479	445B	01/25/96	I	R	PIPEFITTER	598	
MATTERN, JOHN	195070	445B	01/23/96	R	R	MAINT PAINTER	033	
MULLEN, JAMES	273525	445B	02/03/98	22466	I	PIPEFITTER	598	ADD 1097
MURPHY, HARRY	201806	445B	02/05/98	22478	R	MAINT PAINTER	270	
PRICE, MICHAEL	739245	445B	05/23/96	R	R	GROUP MGR FAC	270	
RAMSEY, RICHARD	735804	445B	05/22/96	X	R	GROUP MGR FAC	598	REMV 0198 -- TO RETIRE 0398
SMITH, LAWRENCE	726224	445B	05/22/96	X	R	SPEC FAC	598	REMV 0198 PER M PRICE
GOODSON, BILLY	223739	446A		I	I	MAINT WKR	100	ADD 1197
NEWCOMB, RONALD	739379	446A	02/19/98	22466	I	MAINT MECH	100	ADD 0997
BECKMAN, DON	199851	448C	None	I	I	MAINT WKR	500	ADD 0996
COOPER, CONNIE	191965	448C	None	I	I	MAINT WKR	500	ADD 0996
DIXON, JERRY	163083	448C	None	I	I	MAINT MECH	500	ADD 0996 CARP
GALLOWAY, RICK	174636	448C	None	I	I	MAINT MECH	500	ADD 0897
GILL, DENNIS	273256	448C	None	I	I	MAINT MECH	500	ADD 0897
HANKLEY, MARK	235208	448C	None	I	I	MAINT WKR	500	ADD 0996
HASQUIN, ALAN	202921	448C	None	I	I	MAINT MECH	500	ADD 0996 CARP
HOEFT, MILLIE	102181	448C	None	I	I	MAINT WKR	500	ADD 0996
HOWARD, ALLEN	198120	448C	None	I	I	MAINT WKR	500	ADD 1097
LEDERER, BILL	195874	448C	None	I	I	MAINT MECH	500	ADD 0197
MCGEE, ROBERT	157192	448C	03/16/95	I	I	GROUP MGR FAC	500	ADD 0996 CARP'S
MCGUIRE, ROBERT	202603	448C	None	I	I	MAINT WKR	500	ADD 0597
PAULSON, MIKE	195885	448C	None	I	I	MAINT WKR	500	ADD 0996
PEEBLES, JAMES	140745	448C	None	I	I	MAINT MECH	500	ADD 0996 CARP
RHODES, DAVID	195665	448C	None	I	I	MAINT MECH	500	ADD 0197
RUSSELL, RICHARD	175358	448C	None	I	I	MAINT MECH	500	ADD 0996 CARP
SCHMITT, JOHN	126911	448C	None	I	I	MAINT MECH	500	ADD 0996 CARP
SCHULTE, FRANK	184883	448C	None	I	I	MAINT MECH	500	ADD 0996 CARP
SCOGGINS, CHRIS	273145	448C	None	I	I	MAINT MECH	500	ADD 0697

HAZARDOUS WASTE TRAINING STATUS

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VOGLER, JOHN	195139	448C	None	I	I	MAINT MECH	500	ADD 0996 CARP
WAGENBLAST, REBECCA	233746	448C		I	I	MAINT WKR	500	ADD 1197
BENDER, JOHN	236030	448D	12/13/96	R	R	POWER HOUSE MECH	005	
GLASSCOCK, JAMES	191368	448D	None	I	I	POWER HOUSE MECH	101	ADD 1097
MEYER, KEITH	186171	448D	12/01/94	I	R	POWER HOUSE MECH	005	
ZEHNLE, JOSEPH	191368	448D	02/02/96	R	R	POWER HOUSE MECH	101	
CLUBB, RANDY	198689	448E	11/22/93	I	I	MAINT PAINTER	006	REPORTS TO 442A PER K
NICHOLS, WALTER	230266	448F	02/05/98	22478	R	AUTO MECHANIC	022	MATTINGLY
SEITHEL, NORMAN	158188	448F	02/11/98	22466	R	AUTO MECHANIC	022	
WILLIAMS, JEROME	199651	448L	02/17/98	22466	I	MAINT WKR	121	ADD 0997

MEMORANDUM

064C-3736

file 1/3

20 Dec 95

Subject: HAZARDOUS WASTE TRAINING, WINTER 1996 SCHEDULE

To: Distribution List Addressees

Encl: (1) Schedule of Classes
(2) Employee Training Status List (to Addressees supervising potential hazardous waste handlers)

Hazardous Waste Training will be available early next year as indicated on Encl (1).

Employees who handle hazardous waste on the job are required by federal and state environmental regulations to receive annual training in hazardous waste management. Environmental and Hazardous Materials Services (Dept. 064C) is responsible for providing this training.

Two courses are available: an introductory course for "new" hazardous waste handlers and for employees who have not been trained recently, and a refresher course for employees who need only a review of hazardous waste regulations and handling procedures. The classes listed on Encl (1) are intended for employees who were unable to attend a class in 1995 as well as for those who last attended a class in early 1995.

We are aware that the class times and locations shown on Encl (1) will not be convenient for all employees. We are anxious to accommodate the scheduling needs of employees who work at "remote" locations or have unusual working hours. Please remember that training can be provided in your work area if needed.

Encl (2) is provided to assist you in determining which of your employees may need Hazardous Waste Training and in selecting the appropriate course for each employee.

Please refer to the enclosures and contact me if you wish to schedule training or have any questions.

Barbara Perry

B. E. Perry
Environmental and
Hazardous Materials Services
Dept. 064C, Mailcode 1111099
ext. 41104

R. H. Kaatman
Concur: R. H. Kaatman, Manager
Environmental and
Hazardous Materials Services
Dept. 064C

064C-3736

Encl (1)

HAZARDOUS WASTE TRAINING SCHEDULE

Employees meet their annual training requirement by attending one of the sessions listed below.

Course 22466 (introductory course)

Wednesday	24-Jan-96	Bldg. 2, Room 115K	7:05 - 8:05 am
Thursday	25-Jan-96	Bldg. 27, Room 220	7:05 - 8:05 am

Course 22478 (refresher course)

Monday	8-Jan-96	Bldg. 2, Room 115K	7:05 - 7:35 am
Wednesday	10-Jan-96	Bldg. 27, Room 220	7:05 - 7:35 am
Friday	19-Jan-96	Bldg. 2, Room 115K	7:05 - 7:35 am
Tuesday	23-Jan-96	Bldg. 27, Room 220	6:15 - 6:45 am
Tuesday	23-Jan-96	Bldg. 27, Room 220	7:05 - 7:35 am
Tuesday	30-Jan-96	Bldg. 27, Room 220	3:35 - 4:05 pm
Friday	2-Feb-96	Bldg. 2, Room 115K	4:35 - 5:05 pm

Advance scheduling is necessary to ensure that participants can be notified should last-minute schedule changes occur. To schedule employees for training, please contact Barbara Perry by calling ext. 41104, mailing a request to Mailcode 1111099, or faxing a request to ext. 47177. (Second and third shift supervisors wishing to schedule by phone may leave a message, indicating the number of employees and the training date preferred.)

If the classes listed above are inconvenient for employees (due to class location or meeting time), arrangements can be made to have training provided to employees in their work areas. A meeting room with an overhead projector and VHS VCR (for 22466 sessions) should be available. Contact Barbara Perry at ext. 41104 to make arrangements.

No classes have been scheduled for Bldg. 101 at this time, due to unavailability of training rooms there in early 1996. It is hoped that classes can be scheduled in Bldg. 101 in late February and early March. In the meantime, Tract II departments with meeting facilities available to them are welcome to arrange training for their employees if desired.

HAZARDOUS WASTE TRAINING STATUS AS OF 19 DECEMBER 1995
DEPARTMENTS 150H/164A/164B/164C

Course 22478 (refresher)
recommended

095940	R. Austin
223528	G. Balthasar
226169	J. Bosworth
226296	R. Brannon
105256	E. Buxton
215656	J. Canter
208808	R. Coleman
097574	A. Ebert
216568	S. Ferguson
084352	T. Franklin
096134	L. Fry
216512	L. Gaehle
148228	D. Hogshead
089888	P. Huskey
201945	M. Kerr
226911	S. Laughlin
053790	D. Lieu
224751	R. Linenfelser
177275	J. Maguire
209838	D. Ponder
208846	V. Rhodus
194157	G. Shawgo
187771	J. Sims
208995	C. Troll
097585	B. Welby
146534	W. Wilson

Course 22466 (introductory)
recommended

224707	E. Adams
113119	P. Adams
227397	R. Borah
096049	J. Brooks
097452	H. Clark
224833	D. Combs
223972	C. Crump
127436	G. Fields
208842	C. Fusselman
224658	L. Ham
127030	M. Honerkamp
112098	R. Hoss
064470	E. Madison
173197	D. Meyer
217198	W. Neal
176276	L. Palmer
216561	W. Pickett
201931	D. Pulcher
223639	K. Reuther
045581	E. Schuster
174386	C. Williams
097547	J. Williams
067318	W. Wilson

According to our records, the employees listed above are assigned to your department and need to participate in Hazardous Waste Training in early 1996 to maintain compliance with hazardous waste regulations.

Employees who will not be handling hazardous waste on the job are not required by law to receive training. If any of these employees fall into this category, please send a written notification to:

B. E. Perry
Mailcode 1111099

or Fax 234-7177

The employee's name will then be removed from the Hazardous Waste Trainee list.

ATTACHMENT 8

WEEKLY
TRACT I CONTAINER STORAGE FACILITY INSPECTION SUMMARY

TIME: 10:09 A.M.

DATE: 2/26/98

INSPECTOR: ODELL MCCOLLUGH

SIGNATURE: Odell McCollough

AREA 1

AREA 2

yes no yes no

COMMENTS

- | | | | | |
|---|----------|-------------|----------|-------------|
| 1. Containment structures
sound and free of
corrosion | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 2. Spill pallets for alkaline
waste in good
condition | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 3. Pad free of cracks | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 4. Containers within spill
containment and
on skids | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 5. Containers in good
condition | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 6. Containers sealed | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 7. Proper containers | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 8. Area free of leaks or
spills | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 9. Sumps empty | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 10. Proper aisle space | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 11. Incompatible waste
separated | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 12. Proper labels | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 13. Top of containers
free of material | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 14. Spill control equipment
present | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 15. Empty drums
stacked | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |
| 16. Good housekeeping | <u>✓</u> | <u> </u> | <u>✓</u> | <u> </u> |

DRUM INVENTORY

AREA 1: SOLVENTS - 189

CORROSIVES - 54

AREA 2: 0

ACTION TAKEN ON ALL DISCREPANCIES

WEEKLY
TRACT I CONTAINER STORAGE FACILITY INSPECTION SUMMARY

TIME: 10:35 A.M.

DATE: 2/19/98

INSPECTOR: ODELL McCOLLUGH

SIGNATURE: Odell McCollough

	AREA 1		AREA 2		COMMENTS
	yes	no	yes	no	
1. Containment structures sound and free of corrosion	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	(13.a) DRUM #A970213 (013) EXCEEDED 1 YEAR STORAGE ON 2/18/98.
2. Spill pallets for alkaline waste in good condition	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
3. Pad free of cracks	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
4. Containers within spill containment and on skids	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
5. Containers in good condition	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	<u>DRUM INVENTORY</u> AREA 1: SOLVENTS - 154 CORROSIVES - 54 AREA 2: 0
6. Containers sealed	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
7. Proper containers	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
8. Area free of leaks or spills	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
9. Sumps empty	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
10. Proper aisle space	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
11. Incompatible waste separated	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
12. Proper labels	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
13. Top of containers free of material	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
13.a. < 1 YR. STORAGE	<u>—</u>	<u>✓</u>	<u>✓</u>	<u>—</u>	
14. Spill control equipment present	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
15. Empty drums stacked	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	
16. Good housekeeping	<u>✓</u>	<u>—</u>	<u>✓</u>	<u>—</u>	

ACTION TAKEN ON ALL DISCREPANCIES

(13a) Drum to be shipped to TSDF as soon as it is approved.
possible 2-25-98 PBmet 2-20-98

ATTACHMENT 9

ACCUMULATIVE CONTAINER LOG

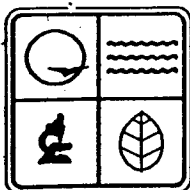
MS -
PWL
DRAIN
PFR
CONT NO.

INT. ID	GEN. AREA	GEN. DEPT	MO ID	MATERIAL DESCRIPTION	EPA WASTE CODE	DATE TO STORAGE	MANIFEST NUMBER IN	TSDF ID	CONT. REMOVED
70972	27	464C	014	H2SO4/SATAC UDM	0002	08/06/1996		WWTP	09/19/1997
70347	27	162	029	ALKALI LIQU ID	D2	03/10/1997		WWTP	08/19/1997
70592	27	464C	132	SUMPWATER C ORR SIDE		04/14/1997		WWTP	10/28/1997
70794	22		N/R	ANTIFREEZE		05/09/1997		WWTP	11/17/1997
70929	27	464C	132	SUMP WATER		06/05/1997		WWTP	10/28/1997
70989	248		025	SS BLU TNK					
70989	248		025	SODIUM HYDR OXIDE	D2	06/18/1997	04217-0288	WWTP	08/19/1997
70990	248		016	HYDROCHLORI C ACID	D2	06/18/1997	04217-0288	WWTP	08/19/1997
71395	248		?	POTASSIUM H YDROXIDE	D2	08/27/1997	04217-0293	WWTP	10/21/1997
71537	270		N/R	ETHYLENE GL YCOL		09/24/1997	01251-0345	WWTP	11/17/1997
80346	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
80347	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/26/1998
80348	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
80349	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
80350	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
80351	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
80352	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
80353	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
80354	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
80355	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/26/1998
80356	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/26/1998
80357	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/26/1998

ACCUMULATIVE CONTAINER LOG

INT. ID	GEN. AREA	GEN. DEPT	MO ID	MATERIAL DESCRIPTION	EPA WASTE CODE	DATE TO STORAGE	MANIFEST NUMBER IN	TSDF ID	CONT. REMOVED
70592	27	464C	132	SUMPWATER C ORR SIDE		04/14/1997		WWTP	10/28/1997
70794	22		N/R	ANTIFREEZE		05/09/1997		WWTP	11/17/1997
70929	27	464C	132	SUMP WATER		06/05/1997		WWTP	10/28/1997
71395	248		?	SS BLU INK POTASSIUM HYDROXIDE	D2	08/27/1997	04217-0293	WWTP	10/21/1997
71537	270		N/R	ETHYLENE GLYCOL		09/24/1997	01251-0345	WWTP	11/17/1997
780346	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
780347	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/26/1998
780348	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
780349	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
780350	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
780351	506	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
780352	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
780353	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
780354	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/27/1998
780355	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/26/1998
780356	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/26/1998
780357	599	445B	048	ANTIFREEZE		02/25/1998	01110-0498	WWTP	02/26/1998

ATTACHMENT 10



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
TREATMENT/STORAGE/DISPOSAL PERMITTED FACILITY CHECKLIST
MCDONNELL DOUGLAS-ST. LOUIS, INSPECTION RECORD AND
CHECKLIST

NAME McDonnell Douglas Corporation - Tract I		DATE 2-26-98 3-2-98	EPA I.D. NUMBER MO00000818963
ADDRESS Lindbergh & McDonnell Blvd.		RR NO. 0268-A	MO I.D. NUMBER 001001
CITY Hazelwood	NUMBER EMPLOYEES ~10,000	YEARS AT SITE ~ 60	TELEPHONE NUMBER (314) 232-6941
FACILITY REPRESENTATIVE(S), TITLES(S) <u>Joe Hacke</u> - Group Manager, Environmental & Hazardous Materials Services <u>Bryan Kury</u> - Manager, Environmental & Hazardous Materials Services <u>Odell McCollough</u> - Env. & Haz. materials Services			
DATE(S) OF LAST INSPECTION(S) 4-17-96			
LATITUDE DEG _____ MIN _____ SEC _____		LONGITUDE DEG _____ MIN _____ SEC _____	
DESCRIPTION OF THE FACILITY'S OPERATIONS AND PLANT.			
Included in written report			
WASTE STREAMS			
DESCRIBE EACH WASTE STREAM GENERATED INCLUDING THE PRODUCTION PROCESS	GENERATION RATE	EPA ID NUMBER	DISPOSITION
Attached to report			

A. GENERAL

1. <input checked="" type="checkbox"/> REGISTERED AS A HW GENERATOR - Section 260.380.1(1) RSMo and 10 CSR 25-5.262(2)(A) Incorporating 40 CFR 262.12(a)	GGR	(also cited on LQG checklist)
2. <input checked="" type="checkbox"/> FACILITY DETERMINES IF WASTE IS HAZARDOUS - 10 CSR 25-5.262(1) Incorporating 40 CFR 262.11	GGR	
3. <input checked="" type="checkbox"/> UTILIZES A LICENSED HAZARDOUS WASTE TRANSPORTER - Section 260.380.1(5) RSMo Incorporating 40 CFR 262.12(C)	GGR	
4. <input checked="" type="checkbox"/> UTILIZES AUTHORIZED HW TSD OR RR FACILITY - Section 260.380.1(7) RSMo Incorporating 40 CFR 262.12(c)	GGR	
5. <input checked="" type="checkbox"/> FACILITY DOES NOT OPERATE AS A TSD UNLESS PERMITTED/AUTHORIZED- Section 260.390(1) RSMo Incorporating 40 CFR 262.34(b)	GGR	

B. LAND DISPOSAL RESTRICTIONS

1. <input checked="" type="checkbox"/> TESTS WASTE OR USES KNOWLEDGE OF WASTE TO DETERMINE IF THE WASTE IS RESTRICTED FROM LAND DISPOSAL - 10 CSR 25-7.268(1) Incorporating 40 CFR 268.7(a)	GLB	COMMENTS
2. <input checked="" type="checkbox"/> DILUTION OF WASTE TO MEET LDR TREATMENT STANDARDS IS NOT OCCURRING - 10 CSR 25-7.268(1) Incorporating 40 CFR 268.3(a)	GLB	
3. <input checked="" type="checkbox"/> "LAND-BAN" NOTIFICATION, SENT WITH MANIFESTS AND RECORDS RETAINED ON-SITE - 10 CSR 25-7.268(1) Incorporating 40 CFR 268.7(b) AND 40 CFR 268.7(d)(3)	GLB	
4. <input checked="" type="checkbox"/> NOTIFICATION/CERTIFICATION INCLUDES CORRECT EPA HAZARDOUS WASTE NUMBER, CORRESPONDING TREATMENT STANDARDS, MANIFEST NUMBER, AND WASTE ANALYSIS DATA - 10 CSR 25-7.268(1) Incorporating 40 CFR 268.7(b)(4)	GLB	
5. <input checked="" type="checkbox"/> WASTE ANALYSIS PLAN ON-SITE AND UTILIZED IF GENERATOR TREATS HAZARDOUS WASTE IN TANKS OR CONTAINERS TO MEET LDR TREATMENT STANDARDS - 10 CSR 25-7.268(1) Incorporating 40 CFR 268.7(b)(1), (2), AND (3)	GLB	

C. RESOURCE RECOVERY

1. <input checked="" type="checkbox"/> RR CERTIFICATION FOR LEGITIMATE REUSE OR RECLAMATION OF HAZARDOUS WASTE ON-SITE - 10 CSR 25-9.020(1)(A)3	GOR	COMMENTS
2. <input checked="" type="checkbox"/> STILL BOTTOMS OR RR RESIDUES DISPOSED OF PROPERLY - Section 260.380.1(7) RSMo	GOR	
3. <input checked="" type="checkbox"/> FACILITY IS CLASSIFIED AS <u>U</u> R1, OR R2 ACCURATELY - 10 CSR 25-9.020(3)(A)	GOR	
4. <input checked="" type="checkbox"/> FACILITY MEETS THE OPERATING CONDITIONS OF CERTIFICATION - 10 CSR 25-9.020(3)(E)3	GOR	
5. <input checked="" type="checkbox"/> FACILITY HAS SUBMITTED A WRITTEN REQUEST AND RECEIVED APPROVAL FROM THE DNR FOR ALL CHANGES IN OPERATION INCLUDING CLOSURE - 10 CSR 25-9.020(3)(E)1 and 2	GOR	

Perchloroethylene unit has been closed -
notification not submitted to HWF

6. <input checked="" type="checkbox"/>	FACILITY REPORT SUBMITTED TO DNR QUARTERLY - 10 CSR 25-9.020 (3) (E) 6 REFERENCING 10 CSR 25-7.264 (2) (E) 3 AND 40 CFR 264.76 AS INCORPORATED IN 10 CSR 25-7.264	GOR	COMMENTS
7. <input checked="" type="checkbox"/>	FACILITY MAINTAINS A WRITTEN OPERATING RECORD - 10 CSR 25-9.020 (3) (E) 5 referencing 40 CFR 264.73 (b) (1) & (2) as modified by 10 CSR 25-7.264 (2) (E) 2	GOR	
8. <input checked="" type="checkbox"/>	R2 FACILITY USES AN ADEQUATE SAMPLING AND ANALYSIS PLAN TO ASSESS INCOMING SHIPMENTS - 10 CSR 25-9.020 (3) (C) 1	GOR	
9. <input type="checkbox"/>	R2 FACILITY MAINTAINS A DAILY LOG OF MANIFEST NUMBER, WASTES RECEIVED, DISPOSITION OF WASTE AND CORRESPONDING SAMPLING DATA - 10 CSR 25-9.020 (3) (C) 2	GOR	
10. <input type="checkbox"/>	R2 FACILITY HAS A WRITTEN CLOSURE PLAN WHICH MEETS 10 CSR 25-9.020 (3) (C) 3. referencing 10 CSR 25- 7.264 (2) G.	GOR	
11. <input type="checkbox"/>	R2 FACILITY PROVIDES FINANCIAL ASSURANCE FOR CLOSURE - 10 CSR 25-9.020 (3) (C) 4	GOR	

TREATMENT/STORAGE/DISPOSAL

GENERAL FACILITY STANDARD			COMMENTS
1. <input checked="" type="checkbox"/>	NOTICE OF HAZARDOUS WASTE SHIPMENT FROM FOREIGN SOURCE - 10 CSR 25 7.264 (2) (B) 1. and 40 CFR 264.12 (a)	DGS	
2. <input checked="" type="checkbox"/>	NOTICE OF PERMIT WHEN RECEIVING WASTE - 10 CSR 25-7.264 (2) (B) and 40 CFR 264.12 (b)	DGS	
3. <input checked="" type="checkbox"/>	CHANGE OF OWNERSHIP - 10 CSR 25-7.264 (2) (B) 1. and 40 CFR 264.12 (c)	DGS	
4. <input checked="" type="checkbox"/>	COPY WASTE ANALYSIS PLAN ON SITE - 10 CSR 25-7.264 (2) (B) and 40 CFR 264.13 (a) (1)	DGS	
5. <input checked="" type="checkbox"/>	PLAN UPDATED AND ANALYSIS REPEATED IF PROCESS (ES) CHANGE - 10 CSR 25-7.264 (2) (B) and 40 CFR 264.13 (a) (3) (I)	DGS	
6. <input checked="" type="checkbox"/>	ANALYSIS REPEATED IF MANIFEST DISCREPANCY - 10 CSR 25-7.264 (2) (B) and 40 CFR 264.13 (a) (3) (ii)	DGS	
7. <input checked="" type="checkbox"/>	PROCEDURES TO IDENTIFY WASTES ON SITE INCLUDING LEACHATE AND RUNOFF - 10 CSR 25-7.264 (2) (B) and 40 CFR 264.13 (b)	DGS	
8. <input checked="" type="checkbox"/>	PROCEDURES TO IDENTIFY WASTES FROM OFF SITE - 10 CSR 25-7.264 (2) (B) and 40 CFR 264.13 (c)	DGS	
9. <input checked="" type="checkbox"/>	WASTE ANALYSIS PLAN UP-TO-DATE - 10 CSR 25-7.264 (2) (B) and 40 CFR 264.13 (a) (3)	DGS	
10. <input checked="" type="checkbox"/>	IDENTIFY HAZARDOUS WASTES HANDLED AT THE FACILITY INCLUDING LEACHATE AND RUNOFF 10 CSR 25-7.264 (2) (B) 2. and 40 CFR 264.13 (b)	DGS	
11. <input checked="" type="checkbox"/>	MEANS TO CONFIRM OFF-SITE WASTES (MANIFEST DISCREPANCY) AND RUN OFF - 10 CSR 25-7.264 (2) (B) and 40 CFR 264.13 (c)	DGS	

		COMMENTS
12. <input checked="" type="checkbox"/> 24-HOUR SURVEILLANCE SYSTEM AT FACILITY - 10 CSR 25-7.264(2) (B) and 40 CFR 264.14(b) (1)	DGS	- 24 hour guards
13. <input checked="" type="checkbox"/> AN ARTIFICIAL OR NATURAL BOUNDARY/CONTROLLED ACCESS - 10 CSR 25-7.264(2) (B) and 40 CFR 264.14(b) (2)	DGS	
14. <input checked="" type="checkbox"/> RESTRICTED ACCESS SIGN POSTED AT EACH ENTRANCE AND AT OTHER LOCATIONS IN SUFFICIENT NUMBERS - 10 CSR 25-7.264(2) (B) and 40 CFR 264.14(c)	DGS	
15. <input checked="" type="checkbox"/> LEGIBLE FROM A DISTANCE OF AT LEAST 25 FEET - 10 CSR 25-7.264(2) (B) and 40 CFR 264.14(c)	DGS	
16. <input type="checkbox"/> FACILITY INSPECTED AND MAINTAINED - 10 CSR 25-7.264(2) (B) and 40 CFR 264.15(a)	DGS	Inadequate inspections conducted of sumps in Bldg 27 container storage area
17. <input checked="" type="checkbox"/> INSPECT EMERGENCY EQUIPMENT, SECURITY DEVICES, OPERATING AND STRUCTURAL EQUIPMENT - 10 CSR 25-7.264(2) (B) and 40 CFR 264.15(b)	DGS	(This was cited on LQG checklist for < 90 day storage areas)
18. <input checked="" type="checkbox"/> REMEDIATED ANY DETERIORATED OR MALFUNCTIONING EQUIPMENT (CHECK EQUIPMENT) - 10 CSR 25-7.264(2) (B) and 40 CFR 264.15(4) (c)	DGS	
19. <input checked="" type="checkbox"/> RECORDS OF INSPECTIONS AND REMEDIATIONS RETAINED FOR 3 YEARS - 10 CSR 25-7.264(2) (B) and 40 CFR 264.15(d)	DGS	
20. <input checked="" type="checkbox"/> COMPLETED CLASSROOM OR ON-THE-JOB TRAINING TO HANDLE EMERGENCIES - 10 CSR 25-7.264(2) (B) and 40 CFR 264.16(a) (1) & (3)	DGS	
21. <input checked="" type="checkbox"/> TRAINER QUALIFIED IN HAZARDOUS WASTE MANAGEMENT PROCEDURES DOCUMENTED - 10 CSR 25-7.264(2) (B) and 40 CFR 264.16(a) (2)	DGS	
22. <input checked="" type="checkbox"/> PERSONNEL COMPLETED THE TRAINING PROGRAM WITHIN SIX MONTHS OF EMPLOYMENT - 10 CSR 25-7.264(2) (B) and 40 CFR 264.16(b)	DGS	
23. <input type="checkbox"/> ANNUAL REVIEW OF TRAINING - 10 CSR 25-7.264(2) (B) and 40 CFR 264.16(c)	DGS	
24. <input checked="" type="checkbox"/> JOB TITLE, DESCRIPTION, AND NAME OF PERSON FILLING POSITION - 10 CSR 25-7.264(2) (B) and 40 CFR 264.16(d) (1) & (2)	DGS	
25. <input checked="" type="checkbox"/> CURRENT PERSONNEL WRITTEN RECORD OF THE TYPE AND AMOUNT OF TRAINING GIVEN - 10 CSR 25-7.264(2) (B) and 40 CFR 264.16(d) (4)	DGS	
26. <input checked="" type="checkbox"/> INTRODUCTORY AND CONTINUING TRAINING PROGRAM TO EACH PERSONNEL - 10 CSR 25-7.264(2) (B) AND 40 CFR 264.16(d) (3)	DGS	
27. <input checked="" type="checkbox"/> RECORDS OF CURRENT PERSONNEL RETAINED UNTIL CLOSURE OF THE FACILITY; FORMER PERSONNEL'S RETAINED FOR 3 YEARS 10 CSR 25-7.264(2) (B) AND 40 CFR 264.16(e)	DGS	
28. <input checked="" type="checkbox"/> PRECAUTIONS TAKEN TO PREVENT ACCIDENTAL IGNITION "NO SMOKING" SIGNS CONSPICUOUSLY PLACED WHEREVER THERE IS A HAZARD FROM IGNITABLE OR REACTIVE WASTE - 10 CSR 25-7.264(2) (B) and 40 CFR 264.17(a)	DGS	
29. <input checked="" type="checkbox"/> PRECAUTIONS TAKEN TO PREVENT REACTION - 10 CSR 25-7.264(2) (B) and 40 CFR 264.17(b)	DGS	

30. <input checked="" type="checkbox"/> DOCUMENTED METHODS USED TO PREVENT IGNITION OR REACTION - 10 CSR 25-7.264(2)(B) and 40 CFR 264.17(c)	DGS	COMMENTS
31. <input checked="" type="checkbox"/> SEISMIC CONSIDERATION - 10 CSR 25-7.264(2)(B) and 40 CFR 264.18(a)	DGS	
PREPAREDNESS AND PREVENTION (GENERAL/STANDARD/SPECIAL) CONDITION		
1. <input checked="" type="checkbox"/> FACILITIES MAINTAINED AND OPERATED TO MINIMIZE THE POSSIBILITY OF FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE THAT COULD THREATEN HUMAN HEALTH OR ENVIRONMENT - 10 CSR 25-7.264(1) and 40 CFR 264.31.	DPP	<p>Facility has onsite fire dept / emergency response team.</p>
2. <input checked="" type="checkbox"/> INTERNAL COMMUNICATION OR ALARM SYSTEM - 10 CSR 25-7.264(1) and 40 CFR 264.32(a)	DPP	
3. <input checked="" type="checkbox"/> DEVICE IN THE HAZARDOUS WASTE OPERATION AREA CAPABLE OF SUMMONING EMERGENCY ASSISTANCE - 10 CSR 25-7.264(1) and 40 CFR 264.32(b)	DPP	
4. <input checked="" type="checkbox"/> FIRE CONTROL, SPILL CONTROL, AND DECONTAMINATION EQUIPMENT AVAILABLE - 10 CSR 25-7.264(1) and 40 CFR 264.32(c)	DPP	
5. <input checked="" type="checkbox"/> ADEQUATE WATER SUPPLY FOR FIRE CONTROL EQUIPMENT - 10 CSR 25-7.264(1) and 40 CFR 264.32(d)	DPP	
6. <input checked="" type="checkbox"/> ADEQUATE AND PROPER SAFETY EQUIPMENT, AVAILABLE AND READY - 10 CSR 25-7.264(1) and 40 CFR 264.33(a)	DPP	
7. <input checked="" type="checkbox"/> EACH PERSON IN HAZARDOUS WASTE AREA ABLE TO SUMMON HELP - 10 CSR 25-7.264(1) and 40 CFR 264.34	DPP	
8. <input checked="" type="checkbox"/> ADEQUATE AISLE SPACE - 10 CSR 25-7.264(1) and 40 CFR 264.35	DPP	
9. <input checked="" type="checkbox"/> ARRANGEMENTS WITH LOCAL EMERGENCY AGENCIES - 10 CSR 25-7.264(1) and 40 CFR 264.37	DPP	
10. <input checked="" type="checkbox"/> HAS CONTINGENCY PLAN BEEN USED SUCCESSFULLY CARRIED OUT - 10 CSR 25-7.264(2)(D) and 40 CFR 264.51	DPP	
11. <input checked="" type="checkbox"/> ARE FOLLOWING ITEMS UP-TO-DATE - 10 CSR 25-7.264(2)(D) and 40 CFR 264.52 (a) Detailed description of procedures that personnel must implement in response to fires, explosions, releases of hazardous waste 40 CFR 264.52(a) (b) Formal arrangements with emergency services 40 CFR 264.52(c) (c) Name, address, and phone numbers (home & office) of emergency coordinator(s) 40 CFR 264.52(d) (d) Emergency equipment including its description, location, and capabilities 40 CFR 264.52(e) (e) Evacuation plan 40 CFR 264.52(f)	DPP	
12. <input checked="" type="checkbox"/> COPY OF THE CONTINGENCY PLAN AND ALL REVISIONS MAINTAINED AT SITE AND SUBMITTED TO ALL EMERGENCY RESPONSE TEAMS - 10 CSR 25-7.264(2)(D) and 40 CFR 264.53	DPP	
13. <input checked="" type="checkbox"/> CONTINGENCY PLAN NEED AMENDMENTS MADE AS NECESSARY - 10 CSR 25-7.264(2)(D) and 40 CFR 264.54	DPP	

1. <input checked="" type="checkbox"/> MANIFESTS SIGNED BY GENERATOR/TRANSPORTER/TSD AND DATED - 10 CSR 25-7.264(2) (E) and 40 CFR 264.71(a) (1)	DMR	COMMENTS
2. <input checked="" type="checkbox"/> MANIFEST INFORMATION MAINTAINED IN THE OPERATING RECORD - 10 CSR 25-7.264(2) (E) 2.A.	DMR	
3. <input checked="" type="checkbox"/> OPERATING RECORDS MAINTAINED ON-SITE - 10 CSR 25-7.264(E)2. AND 40 CFR 264.73(a)	DMR	
4. <input checked="" type="checkbox"/> OPERATING RECORDS RECORDED AS THEY BECOME AVAILABLE. AND MUST INCLUDE AT LEAST: a. Description, quantity and TSD process for all hazardous wastes - 10 CSR 25-7.264(2) (E)2. AND 40 CFR 264.73(b) (1) b. Location and quantity for all hazardous wastes including cross-references to Specified manifest document number - 10 CSR 25-7.264(2) (E)2. and 40 CFR 264.73(b) (2) c. Waste analysis records from off-site sources - 10 CSR 25-7.264(2) (E)2. and 40 CFR 264.73(b) (3) d. Summary and description of emergency incidents - 10 CSR 25-7.264(2) (E)2. and 40 CFR 264.73(b) (4) e. Record of inspections - 10 CSR 25-7.264(2) (E)2. and 40 CFR 264.73(b) (5) f. Monitoring and testing and analytical results on-site if necessary - 10 CSR 25-7.264(2) (E)2. and 40 CFR 264.73(b) (6) g. Certification of hazardous waste volume and toxicity reduction/minimization at least annually - 10 CSR 25-7.264(2) (E)2. and 40 CFR 264.73(b) (9)	DMR	Computerized waste tracking system
5. <input checked="" type="checkbox"/> SIGNIFICANT MANIFEST DISCREPANCIES ARE NOTED ON THE MANIFEST) - 10 CSR 25-7.264 and 40 CFR 264.71(a) (2)	DMR	
6. <input checked="" type="checkbox"/> DISCREPANCIES ARE RECONCILED WITHIN 15 DAYS OTHERWISE DISCREPANCIES ARE REPORTED TO REGIONAL ADMINISTRATOR - 10 CSR 25-7.264(2) (E) and 40 CFR 264.72(b)	DMR	
7. <input checked="" type="checkbox"/> COPY TO TRANSPORTER IMMEDIATELY - 10 CSR 25-7.264(2) (E) and 40 CFR 264.71(a) (3)	DMR	
8. <input checked="" type="checkbox"/> COPY TO GENERATOR IN 30 DAYS - 10 CSR 25-7.264(2) (E) and 40 CFR 264.71(a) (4)	DMR	
9. <input checked="" type="checkbox"/> RECORDS ARE KEPT AND AVAILABLE FOR INSPECTION 10 CSR 25-5.264(2) (E) and 40 CFR 264.74(a)	DMR	
10. <input checked="" type="checkbox"/> BIENNIAL FACILITY REPORTS SUBMITTED - 10 CSR 25-5.264(2) (E) and 40 CFR 264.75	DMR	Cret checked)

11. <input type="checkbox"/> UNMANIFESTED WASTE REPORTS FOR OFF-SITE FACILITIES ON-SITE/SUBMITTED - 10 CSR 25-5.264(2) (E) and 40 CFR 264.76	DMR	COMMENTS
12. <input checked="" type="checkbox"/> REPORTS FOR EMERGENCIES, SPILLS, CLOSURE ON-SITE/SUBMITTED - 10 CSR 25-5.264(2) (E) and 40 CFR 264.77	DMR	

GROUNDWATER MONITORING

MONITORING WELL CONSTRUCTION		
1. <input checked="" type="checkbox"/> PLEASE DESCRIBE THE CASING MATERIAL AND WELL DIAMETERS AND LOCATIONS IF DIFFERENT THAN DESCRIBED IN THE PERMIT APPLICATION: <hr/> <hr/> <hr/> <hr/>	DGW	COMMENTS Facility does not have groundwater monitoring program.
2. <input type="checkbox"/> DESCRIBE THE CONDITION AND TYPE OF PROTECTIVE CASING IN THE MONITORING WELLS IF DIFFERENT THAN DESCRIBED IN THE PERMIT APPLICATION (IF DAMAGE HAS OCCURRED, HAS MDNR BEEN NOTIFIED): <hr/> <hr/> <hr/> <hr/>	DGW	
3. <input type="checkbox"/> DESCRIBE THE SECURITY MEASURES COMPLETED TO PROTECT THE WELLS FROM OUTSIDE INFLUENCES IF DIFFERENT THAN DESCRIBED IN THE PERMIT APPLICATION (IF DAMAGED/MISSING, HAS MDNR BEEN NOTIFIED): <hr/> <hr/> <hr/> <hr/>	DGW	
4. <input type="checkbox"/> THE WELLS APPEAR STRUCTURALLY SOUND AND THERE IS NO FAILURE IN THE INTEGRITY. YES ____ NO ____ UNKNOWN ____	DGW	
5. <input type="checkbox"/> THE WELLS APPEAR TIGHTLY SEALED AT THE SURFACE AND NO PATHWAYS EXIST FOR SURFACE WATER TO LEAK INTO THE WELLS. YES ____ NO ____ UNKNOWN ____	DGW	
6. <input type="checkbox"/> HAVE RECORDS BEEN KEPT OF ANALYSES OF GROUND AND SURFACE WATER SAMPLING? YES ____ NO ____ UNKNOWN ____	DGW	
7. <input type="checkbox"/> HAVE THESE RECORDS BEEN SUBMITTED TO EPA/DNR? YES ____ NO ____ UNKNOWN ____	DGW	

8. <input type="checkbox"/> CAN PERSONNEL IDENTIFY SURFACE WATER SAMPLING POINTS OR DIRECTION OF DRAINAGE? ↓ _____ _____ _____ _____	DGW	COMMENTS
CLOSURE AND POST-CLOSURE (GENERAL/STANDARD/SPECIAL) CONDITION		
1. <input checked="" type="checkbox"/> CLOSURE COST ESTIMATES ARE UP-TO-DATE AND RETAINED ON-SITE - 10 CSR 25-7.264(2)(G) and 40 CFR 264.142(d)	DCL	COMMENTS → closure cost estimate must be recalculated & submitted to AWP annually by 3/1 of each year. Cited as failure to comply with permit conditions (Gen. Permit Condition IX.c)
2. <input checked="" type="checkbox"/> CLOSURE COST ESTIMATE IS EQUAL TO THE MAXIMUM COST OF CLOSING THE FACILITY - 10 CSR 25-7.264(2)(G) AND 40 CFR 264.142(a)(1)	DCL	
3. <input checked="" type="checkbox"/> CLOSURE COST ESTIMATE IS BASED ON THE COST OF HIRING A THIRD PARTY TO CLOSE THE FACILITY - 10 CSR 25-7.264(2)(G) AND 40 CFR 264.142(a)(2)	DCL	
4. <input type="checkbox"/> CLOSURE COST ESTIMATE IS ADJUSTED FOR INFLATION WITHIN 60 DAYS PRIOR TO ANNIVERSARY DATE - 10 CSR 25-7.264(2)(G) AND 40 CFR 264.142(c)	DCL	
5. <input checked="" type="checkbox"/> POST-CLOSURE COST ESTIMATES ARE UP-TO-DATE - 10 CSR 25-7.264(2)(G) AND 40 CFR 264.145	DCL	
6. <input checked="" type="checkbox"/> FINANCIAL ASSURANCE MATCHES MOST RECENT CLOSURE COST ESTIMATE - 10 CSR 25-7.264(2)(G) and 40 CFR 264.143	DCL	
7. <input checked="" type="checkbox"/> LIABILITY REQUIREMENTS ARE UP-TO-DATE - 10 CSR 25-7.264(2)(G) and 40 CFR 264.147	DCL	
USE AND MANAGEMENT OF CONTAINERS (GENERAL/STANDARD/SPECIAL) CONDITION		
1. <input checked="" type="checkbox"/> CONTAINERS IN GOOD CONDITION - 10 CSR 25-7.264(2)(I) and 40 CFR 264.171	DMC	COMMENTS
2. <input checked="" type="checkbox"/> CONTAINERS MARKED AND LABELED PER D.O.T. DURING THE ENTIRE STORAGE PERIOD - 10 CSR 25-7.264(2)(I)2, 10 CSR 25-5.262(2)(C), AND 40 CFR 262 SUBPART C	DMC	
3. <input checked="" type="checkbox"/> CONTAINERS DO NOT CONTAIN FREE LIQUIDS AND NEED NOT HAVE A CONTAINMENT SYSTEM - 10 CSR 25-7.264(2)(I) AND 40 CFR 264.175(c)	DMC	
4. <input checked="" type="checkbox"/> SPILLS OR LEAKS ARE REMOVED AS SOON AS POSSIBLE - 10 CSR 25-7.264(2)(I) AND 40 CFR 264.175(b)(5)	DMC	
5. <input checked="" type="checkbox"/> CONTAINERS MADE OF MATERIALS COMPATIBLE WITH HAZARDOUS WASTES PLACED IN THEM - 10 CSR 25-7.264(2)(I) and 40 CFR 264.172	DMC	
6. <input checked="" type="checkbox"/> CONTAINERS ARE CLOSED DURING STORAGE EXCEPT TO ADD OR REMOVE WASTES- 10 CSR 25-7.264(2)(I) and 40 CFR 264.173(a)	DMC	
7. <input checked="" type="checkbox"/> HANDLING THAT MAY THREATEN THE INTEGRITY OF THE CONTAINERS - 10 CSR 25-7.264(2)(I) and 40 CFR 264.173(b)	DMC	
8. <input checked="" type="checkbox"/> HAZARDOUS WASTE CONTAINERS STORAGE AREA INSPECTED ONCE A WEEK AND INSPECTION LOG COMPLETED - 10 CSR 25-7.264(2)(I) and 40 CFR 264.174	DMC	

9. <input checked="" type="checkbox"/>	CONTAINMENT FREE OF CRACKS - 10 CSR 25-7.264(2)(I) and 40 CFR 264.175(b)(1)	DMC	<p>COMMENTS</p> <p>Sump in oil/solvent area collects water from subsurface.</p>
10. <input checked="" type="checkbox"/>	CONTAINMENT SLOPED OR DESIGNED TO PROTECT CONTAINERS FROM CONTACT WITH ACCUMULATED LIQUIDS - 10 CSR 25-7.264(2)(I) and 40 CFR 264.175(b)(2)	DMC	
11. <input type="checkbox"/>	RUN-ON PREVENTED - 10 CSR 25-7.264(2)(I) and 40 CFR 264.175(b)(4)	DMC	
12. <input checked="" type="checkbox"/>	IGNITABLE OR REACTIVE WASTE AT LEAST 50 FT. FROM PROPERTY LINE - 10 CSR 25-7.264(2)(I) 5. and 40 CFR 264.176	DMC	
13. <input checked="" type="checkbox"/>	INCOMPATIBLE WASTES PLACED IN DIFFERENT CONTAINERS - 10 CSR 25-7.264(2)(I) and 40 CFR 264.177	DMC	
14. <input checked="" type="checkbox"/>	CONTAINERS HOLDING INCOMPATIBLE WASTES SEPARATED BY DIKES, OR WALLS - 10 CSR 25-7.264(2)(I) and 40 CFR 264.177(c)	DMC	

CHECKLIST KEY

Check the ☒ if in compliance

Circle the ☐ if not in compliance

N/A = Not Applicable

A shaded item is a serious deviation from the requirements (Class I violation)

An unshaded item is a significant deviation from the requirements (Class II violation unless conditions warrant Class I)

COMMENTS: INCLUDE DISCUSSION OF FACILITY'S WASTE MINIMIZATION PLAN

Included in written report

Check all Potential Multi-Media Violations and Impacts (Specify and Comment Below if Possible)

APC		PDW	
<input type="checkbox"/> Fugitive Dust	<input type="checkbox"/> Asbestos	<input type="checkbox"/> Taste & Odors	<input type="checkbox"/> Color
<input type="checkbox"/> Particulate	<input type="checkbox"/> Odors	<input type="checkbox"/> Bacteria	<input type="checkbox"/> Flow
<input type="checkbox"/> Burning	<input type="checkbox"/> Toxics	<input type="checkbox"/> Pressure	<input type="checkbox"/> Toxics
<input type="checkbox"/> Other		<input type="checkbox"/> Other	
SWM		HW	
<input type="checkbox"/> Open Dumps	<input type="checkbox"/> SLF	<input type="checkbox"/> Transportation	<input type="checkbox"/> TSD
<input type="checkbox"/> Littering	<input type="checkbox"/> Other	<input type="checkbox"/> Generators	<input type="checkbox"/> UST's/LUST's
<input type="checkbox"/> Waste Tire Dump		<input type="checkbox"/> Sm. Qty. Gen.	<input type="checkbox"/> Used Oil
		<input type="checkbox"/> Other	
WPC			
<input type="checkbox"/> Animal Waste	<input type="checkbox"/> Sawdust	<input type="checkbox"/> Bypassing	
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm water	<input type="checkbox"/> Ground Water	
<input type="checkbox"/> Treatment Plant Oper.	<input type="checkbox"/> Single Family	<input type="checkbox"/> Other	

INSPECTOR'S SIGNATURE

Joseph L. Lundy

DATE

3-2-98



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
LARGE QUANTITY GENERATOR
INSPECTION RECORD AND CHECKLIST

L

LOG-INSP

FOR FACILITIES THAT GENERATE/ACCUMULATE > 1000 Kg (2,200 lbs. or approximately 5 drums)

NAME McDonnell Douglas Corporation - Tract I		DATE 2-26-98/3-2-98	EPA ID NUMBER MO0000818 963	
ADDRESS Lindbergh & McDonnell Blvd.		RR NO 0268-A	MO ID NUMBER 001001	
CITY Hazelwood	COUNTY St. Louis	# OF EMPLOYEES ~10,000	YEARS AT SITE ~60	TELEPHONE NUMBER (314) 232-6941

FACILITY REPRESENTATIVE(S), TITLE(S)

Joe Haake - Group Manager, Environmental & Hazardous Material Services

DATE(S) OF LAST INSPECTION(S)

4-17-96

LATITUDE

DEG ____ MIN ____ SEC ____

LONGITUDE

DEG ____ MIN ____ SEC ____

DESCRIPTION OF THE FACILITY'S OPERATIONS AND PLANT

Included in written report

WASTE STREAMS

	DESCRIBE EACH WASTE STREAM GENERATED INCLUDING THE PRODUCTION PROCESS	GENERATION RATE	EPA WASTE CODE(S)	DISPOSITION
1.				
2.				
3.	Included in written report			
4.				
5.				

A. GENERAL

1. <input checked="" type="checkbox"/> Registered as a hazardous waste generator - Section 260.380.1 (1) RSMo and 10 CSR 25-5.262 (2)(A).	1	GGR	COMMENTS → water accumulated in 2 yrd ³ dumpsters treated in WWTP - just analyzed for pH & flashpoint
2. <input type="checkbox"/> Facility determines if waste is hazardous - 10 CSR 25-5.262(1) incorporating 40 CFR 262.11.	1	GGR	
3. <input checked="" type="checkbox"/> Utilizes a licensed hazardous waste transporter - Section 260.380.1(5) RSMo.	1	GGR	
4. <input checked="" type="checkbox"/> Utilizes authorized HW TSD or RR facility - Section 260.380.1(7) RSMo.	1	GGR	
5. <input type="checkbox"/> Facility does not operate as a TSD - Section 260.390(1) RSMo.	1	GGR	→ Storage > 90 days Treatment w/o a permit in WWTP.

PART 1: WALK-THROUGH INSPECTION**B. PRETRANSPORT, CONTAINERIZATION & STORAGE**

1. <input type="checkbox"/> Storage does not exceed 90 days or 180/270 days if facility generates < 1000 Kg/month - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a).	1	GPT	COMMENTS → residue/debris observed in 2 yrd ³ dumpsters
2. <input checked="" type="checkbox"/> Containers in good condition - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.171.	1	GPT	
3. <input checked="" type="checkbox"/> Waste compatible with container - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.172.	1	GPT	→ 2 yrd ³ dumpsters 55 gallon drums with funnels in paint areas
4. <input type="checkbox"/> Containers closed in storage - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.173(a).	1	GPT	
5. <input checked="" type="checkbox"/> Containers storing incompatible waste separated or protected from each other by a dike, berm or wall - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.177(c).	1	GPT	Bldg 40 & 51 < 90 storage sheds - No cracks noted, however floor of storage shed was rusted. Cited for failure to remedy deterioration of containment system → 10 CSR 25-5.262(a)(c)2.C. (II)
6. <input checked="" type="checkbox"/> Container storage areas have a containment system if holding more than 1000 Kg of liquid hazardous waste - 10 CSR 25-5.262(2)(C)2.D(I).	1	GOR	
7. <input checked="" type="checkbox"/> Base of containment system is impervious and free of cracks or gaps - 10 CSR 25-5.262(2)(C)2.D(III)(a).	2	GOR	
8. <input checked="" type="checkbox"/> Containers protected from contact with accumulated liquids - 10 CSR 25-5.262(2)(C)2.D(III)(b).	2	GOR	
9. <input checked="" type="checkbox"/> Capacity of containment system = 10% of waste volume or volume of largest container, whichever is greater - 10 CSR 25-5.262(2)(C)2.D(III)(c).	2	GOR	
10. <input checked="" type="checkbox"/> Run-on onto the containment system is prevented or excess capacity is provided - 10 CSR 25-5.262(2)(C)2.D(III)(d).	2	GOR	
11. <input checked="" type="checkbox"/> Accumulated liquids removed to prevent overflow of containment - 10 CSR 25-5.262(2)(C)2.D(III)(e).	2	GOR	
12. <input checked="" type="checkbox"/> Containers of ignitable or reactive waste stored 50 ft. from property line (or meet requirements) - 10 CSR 25-5.262(2)(C)6 referencing 40 CFR 265.176 as amended by 10 CSR 25-7.265(2)(I)7 and 8.	2	GPT	
13. <input checked="" type="checkbox"/> Containers clearly marked "Hazardous Waste" - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(3).	2	GPT	
14. <input checked="" type="checkbox"/> Waste packaged/labeled/marked per DOT during entire on-site storage period - 10 CSR 25-5.262(2)(C)1.	2	GPT	
15. <input checked="" type="checkbox"/> Date of accumulation marked on containers - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(2).	2	GPT	→ Inadequate inspections of sumps in permitted area cited under 40 CFR 264.15(a) (ISO checklist)
16. <input checked="" type="checkbox"/> Facility inspected and maintained (weekly) - 10 CSR 25-5.262(2)(C)2.C(I) and (II) referencing 40 CFR 265.174.	2	GPT	
17. <input type="checkbox"/> Daily inspection of areas subject to spills, i.e., waste handling areas - 10 CSR 25-5.262(2)(C)2.C(II) referencing 40 CFR 265.174.	2	GOR	→ Inadequate inspections of Bldg 14 sludge rolloff conducted
18. <input checked="" type="checkbox"/> Adequate aisle space is available - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.35.	2	GPT	
19. <input checked="" type="checkbox"/> Placards available for transporter - 10 CSR 25-5.262(1) incorporating 40 CFR 262.33.	2	GPT	→ Bldg 40 / Bldg 51 < 90 storage sheds
20. <input type="checkbox"/> "No Smoking" signs conspicuously placed by ignitable or reactive wastes - 10 CSR 25-5.262(2)(C)2.F(II).	2	GOR	

C. SATELLITE ACCUMULATION

1. <input type="checkbox"/> Containers kept closed - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.173(a).	1	GPT	→ 55 gallon drums in paint areas (Bldg 2, 27, 48) COMMENTS
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2. <input checked="" type="checkbox"/> Containers in good condition - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.171.	1	GPT	COMMENTS
3. <input checked="" type="checkbox"/> Waste compatible with container - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.172.	1	GPT	
4. <input checked="" type="checkbox"/> Quantities accumulated not exceeding 55 gal. (1 quart of acutely-hazardous wastes) - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1).	1	GPT	
5. <input checked="" type="checkbox"/> Satellite containers go to storage within 3 days of filling - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(2).	1	GPT	
6. <input checked="" type="checkbox"/> Container marked identifying contents and beginning date - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(ii) as amended by 10 CSR 25-5.262(2)(C)3.	2	GOR	
7. <input checked="" type="checkbox"/> Stored in satellite areas less than 1 year - 10 CSR 25-5.262(2)(C)3.	2	GOR	

D. PREPAREDNESS AND PREVENTION AND EMERGENCY PROCEDURES

1. <input checked="" type="checkbox"/> Facility operated and maintained to minimize the possibility of an emergency - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.31.	1	GPT	COMMENTS McDonnell Douglas Corp. has in-house fire dept & haz. materials response units.
2. <input checked="" type="checkbox"/> Adequate and proper spill control, decontamination and safety equipment available (fire blankets, respirators, SCBA, absorbents, etc.) 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.32 as amended by 10 CSR 25-5.262(2)(C)2.G.	2	GPT	
3. <input checked="" type="checkbox"/> Adequate water supply and fire control equipment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.32(c) & (d).	2	GPT	
4. <input checked="" type="checkbox"/> Device in the hazardous waste operation area capable of summoning emergency assistance - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.34(a).	2	GPT	
5. <input checked="" type="checkbox"/> Telephone or two-way radio on-site and capable of summoning local fire or police department - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.32(b).	2	GPT	
6. <input checked="" type="checkbox"/> Communication and emergency equipment tested and maintained - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.33.	2	GPT	

E. LOG TANKS

TANK DESIGNATION	CONTENTS	CAPACITY	CONTAINMENT	AGE
1.				
2.	No hazardous waste storage in tanks.			
3.	* Bldg 52 acid tanks (H1A, H13, H14 850 gallon) are used to store waste nitric hydrofluoric acid, which is sent to Jamez in Washington, MO for use as an ingredient.			
4.	10,000 gallon			
5.	* Bldg 52 Caustic Tanks (H1A/H2O) are used to store waste sodium hydroxide, which is sent to Reynolds Aluminum in Texas for reuse.			

1. <input checked="" type="checkbox"/> Spill prevention controls in place and operating e.g. check valves, dry discount couplings - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(b)(1).	1	GPT	COMMENTS
2. <input type="checkbox"/> Overfill prevention controls in place and operating e.g. high level alarms, automatic feed cutoff, etc. - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(b)(2).	1	GPT	
3. <input type="checkbox"/> Sufficient freeboard in uncovered tanks to prevent overtopping - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(b)(3).	1	GPT	
4. <input type="checkbox"/> Waste or treatment method compatible with tank - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.194(a).	1	GPT	
5. <input type="checkbox"/> Incompatible wastes not placed in same tank - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.199(a).	1	GPT	
6. <input type="checkbox"/> Ignitable or reactive wastes rendered safe/protected from sources of ignition or reaction - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.198(a)(1) and (2).	1	GPT	
7. <input checked="" type="checkbox"/> Ignitable or reactive wastes treated/stored in accordance with NFPA's buffer zone requirements - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.198(b).	1	GPT	

8.	<input type="checkbox"/> Volatiles with vapor pressure > 78 mm @ 25° C not placed in open tanks - 10 CSR 25-5.262(2)(C)2.F.(I).	1	GOR	COMMENTS
9.	<input type="checkbox"/> Wastes and residues removed as hazardous waste and tank and equipment decontaminated upon closure - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.197(a).	1	GPT	
10.	<input type="checkbox"/> Secondary containment system provided for tanks and equipment; installed after July 14, 1986; storing dioxin waste; over 15 years old; of unknown age in facility over 15 years old; repaired, replaced or reinstalled after July 14, 1986 - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(a).	1	GPT	
11.	<input type="checkbox"/> Secondary containment system constructed of or lined with waste compatible material of sufficient strength and thickness - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(1).	2	GPT	
12.	<input type="checkbox"/> Containment system supported by base capable of preventing failure due to settlement, compression or uplift - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(2).	2	GPT	
13.	<input type="checkbox"/> Containment system provided with a leak detection system capable of detecting a release within 24 hours - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(3).	2	GPT	
14.	<input type="checkbox"/> Containment system sloped or designed to drain and remove liquids - 10 CSR 25-5.262(2)(C)2.E referencing 10 CSR 25-5.262(2)(C)2.D (III)(b).	2	GOR	
15.	<input type="checkbox"/> Containment system capable of containing 100% of the capacity of the largest tank - 10 CSR 25-5.262(2)(C)2.E referencing 10 CSR 25-5.262(2)(C)2.D (III)(c).	2	GOR	
16.	<input type="checkbox"/> Containment system free of cracks or gaps - 10 CSR 25-5.262(2)(C)2.E referencing 10 CSR 25-5.262(2)(C)2.D (III)(a).	2	GOR	
17.	<input type="checkbox"/> Run-on onto containment system prevented or excess capacity is provided - 10 CSR 25-5.262(2)(C)2.E referencing 10 CSR 25-5.262(2)(C)2.D (III)(d).	2	GOR	
18.	<input type="checkbox"/> Spilled or leaked waste and precipitation removed from secondary containment within 24 hours or as soon as possible - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(4).	2	GPT	
19.	<input type="checkbox"/> Tanks are clearly labeled or marked "Hazardous Waste" - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(3).	2	GPT	
20.	<input type="checkbox"/> Daily inspections of overfill/spill control equipment, aboveground portions of tank system, secondary containment, and data gathered from monitoring equipment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(a).	2	GPT	
21.	<input type="checkbox"/> Inspection log maintained - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(c).	2	GPT	
22.	<input type="checkbox"/> Cathodic protection systems inspected annually, impressed current sources every two months - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(b).	2	GPT	
23.	<input type="checkbox"/> Detailed written assessment by an independent, qualified, professional engineer for tanks installed after July 14, 1986, prepared and on-site - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.192.	2	GPT	
24.	<input type="checkbox"/> Written assessment by an independent, qualified, professional engineer prepared and on-site for tanks lacking secondary containment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.191.	2	GPT	
25.	<input type="checkbox"/> Leak test, internal inspection or tank integrity exam performed annually and documented, by an independent, qualified, professional engineer for tanks lacking secondary containment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(f).	2	GPT	
26.	<input type="checkbox"/> Leak/spill response resulted in: waste flow stopped immediately; waste removal; containment and removal of visible releases to the environment; notification and report; and repair or closure - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.196.	2	GPT	

PART 2: RECORDS INSPECTION

F. MANIFESTS

1. <input checked="" type="checkbox"/> Facility uses manifest system - 260.380.1(6) RSMo and 10 CSR 25-5.262(2)(B).	1	GMR	COMMENTS
2. <input checked="" type="checkbox"/> Records maintained for a 3-year period - 10 CSR 25-5.262(1) incorporating 40 CFR 262.40(a).	2	GRR	
3. <input checked="" type="checkbox"/> Generator's MO & EPA I.D. Numbers - 10 CSR 25-5.262(1) incorporating 40 CFR 262.20(a) as amended by 10 CSR 25-5.262(2)(B)1.	2	GOR	
4. <input type="checkbox"/> Manifest document ID and consecutive shipment numbers - 10 CSR 25-5.262(2)(B)2.A.	2	GOR	
5. <input checked="" type="checkbox"/> Generator's name, address and phone number - 10 CSR 25-5.262(2)(B)1.	2	GMR	
6. <input checked="" type="checkbox"/> All transporters' names, phone numbers, MO & EPA I.D. #'s, license plate # - 10 CSR 25-5.262(2)(B)1 and 2.	2	GMR	
7. <input checked="" type="checkbox"/> Designated facility name, address, phone, MO & EPA I.D. #, - 10 CSR 25-5.262(2)(B)1 and 2.	2	GMR	
8. <input checked="" type="checkbox"/> DOT shipping name, Hazard Class and waste I.D. # (RQ - if required) - 10 CSR 25-5.262(2)(B)1 and 2.	2	GMR	
9. <input checked="" type="checkbox"/> Containers, quantity and specific gravity designated - 10 CSR 25-5.262(2)(B)1 and 2.	2	GMR	
10. <input checked="" type="checkbox"/> Manifest signed and dated - 10 CSR 25-5.262(2)(B)1.	2	GMR	
11. <input checked="" type="checkbox"/> Out of state manifests have all required MO information - 10 CSR 25-5.262(2)(B)4.A.	2	GOR	
12. <input checked="" type="checkbox"/> Manifest continuation sheets are not used - 10 CSR 25-5.262(2)(B)1.	2	GOR	
13. <input checked="" type="checkbox"/> Manifest returned within 35 days - or exception report submitted within 45 days - 10 CSR 25-5.262(2)(D)2.C.	2	GRR	
14. <input type="checkbox"/> Manifest summary reports and manifest sent to DNR quarterly OR annually if one or no shipments are made - 10 CSR 25-5.262(2)(D)1.B. and 10 CSR 25-5.262(2)(D)1.E.	2	GOR	

→ Summary report for 4th quarter 1997 not submitted within 45 days of end of quarter.

G. LAND DISPOSAL RESTRICTIONS

1. <input checked="" type="checkbox"/> Tests waste or uses knowledge of waste to determine if the waste is restricted from land disposal - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a).	1	GLB	COMMENTS
2. <input checked="" type="checkbox"/> Dilution of waste to meet LDR treatment standards is not occurring - 10 CSR 25-7.268(1) incorporating 40 CFR 268.3(a).	1	GLB	
3. <input checked="" type="checkbox"/> Notification/certification includes correct EPA Hazardous Waste number, corresponding treatment standards, manifest number, and waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(b) (4) and (5).	2	GLB	

H. PERSONNEL TRAINING

1. <input checked="" type="checkbox"/> Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(3).	2	GPT	COMMENTS
2. <input checked="" type="checkbox"/> Employees do not work in unsupervised positions until they have completed the training - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(b).	2	GPT	
3. <input checked="" type="checkbox"/> Training reviewed annually - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(c).	2	GPT	
4. <input checked="" type="checkbox"/> Program director trained in hazardous waste management procedures - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(2).	2	GPT	
5. <input checked="" type="checkbox"/> Personnel training plan on-site - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d).	2	GPT	
6. <input checked="" type="checkbox"/> Gives job title, job description and name of employee filling each position - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(1) and (2).	2	GPT	

Permitted TSD → cited under 264 - 16(c)
Barb Perry conducts training. She receives at least 16 hrs of specific Hw training each year.

7. <input checked="" type="checkbox"/> Written description of introductory and continuing training that will be given to each position - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(3).	2	GPT	COMMENTS
8. <input checked="" type="checkbox"/> Documentation of training completed by personnel - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(4).	2	GPT	
9. <input checked="" type="checkbox"/> Records of current personnel maintained until facility closure, former employee records maintained for at least three years - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(e).	2	GPT	

I. CONTINGENCY PLAN

1. <input checked="" type="checkbox"/> Contingency plan maintained on-site - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(a).	2	GPT	COMMENTS HW contingency plan incorporated into facility's SPCC plan.
2. <input checked="" type="checkbox"/> Plan submitted to local emergency response agencies - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(b).	2	GPT	
3. <input checked="" type="checkbox"/> Emergency coordinator on-site or on call - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.55.	2	GPT	
4. <input checked="" type="checkbox"/> Plan describes actions personnel must take in response to fires, explosions or other releases of hazardous waste - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(a).	2	GPT	
5. <input checked="" type="checkbox"/> Describes arrangements with emergency response agencies - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(c).	2	GPT	
6. <input checked="" type="checkbox"/> Lists names, addresses and phone numbers (home and office) of emergency coordinators - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d).	2	GPT	
7. <input checked="" type="checkbox"/> Primary emergency coordinator designated - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d).	2	GPT	
8. <input checked="" type="checkbox"/> List emergency equipment including description, location and capabilities - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(e).	2	GPT	
9. <input checked="" type="checkbox"/> Evacuation plan, if applicable, designates primary and secondary routes and evacuation signal - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(f).	2	GPT	

J. USED OIL STORAGE

1. <input checked="" type="checkbox"/> Used oil is managed properly and not disposed of into the environment or cause a public nuisance - 10 CSR 25-11.279(2)(B)4.B.	1	COMMENTS → 2 - 450 gallon tanks on west side of Bldg 22 not labeled
2. <input checked="" type="checkbox"/> Containers in good condition - 10 CSR 25-11.279(1) incorporating 40 CFR 279.22(b)(1).	2	
3. <input checked="" type="checkbox"/> Containers storing used oil are not leaking - 10 CSR 25-11.279(1) incorporating 40 CFR 279.22(b)(2).	2	
4. <input type="checkbox"/> Containers/aboveground tanks are labeled or marked clearly "Used Oil" - 10 CSR 25-11.279(1) incorporating 40 CFR 279.22(c)(1).	2	
5. <input checked="" type="checkbox"/> Fill pipes used to transfer used oil into underground storage tanks are labeled or marked clearly "Used Oil" - 10 CSR 25-11.279(1) incorporating 40 CFR 279.22(c)(2).	2	
6. <input checked="" type="checkbox"/> Containers/tanks which are exposed to rainfall are closed - 10 CSR 25-11.279(2)(C)6.	2	
7. <input checked="" type="checkbox"/> Clean up any spills or leaks of used oil - 10 CSR 25-11.279(1) incorporating 40 CFR 279.22(d).	2	
8. <input checked="" type="checkbox"/> Mixtures of used oil and hazardous waste are properly managed - 10 CSR 25-11.279(2)(B)2.	2	

K. ON-SITE BURNING

1. <input checked="" type="checkbox"/> Burn only their own used oil or used oil from DIY'ers or exempt farmers - 10 CSR 25-11.279(1) incorporating 40 CFR 279.23(a).	1	
2. <input type="checkbox"/> Burn only in space heaters with design capacity < .5 million BTU/hr - 10 CSR 25-11.279(1) incorporating 40 CFR 279.23(b).	1	
3. <input checked="" type="checkbox"/> Combustion gases from the heater are vented to the ambient air - 10 CSR 25-11.279(1) incorporating 40 CFR 279.23(c).	1	

L. OFF-SITE SHIPMENTS TO APPROVED COLLECTION CENTERS

1. <input checked="" type="checkbox"/> Used oil is transported by transporters who have obtained EPA Identification numbers - 10 CSR 25-11.279(1) incorporating 40 CFR 279.24.	1
(if no licensed transporter is used)	
2. <input checked="" type="checkbox"/> Transports used oil in a vehicle owned by the generator or owned by an employee of the generator - 10 CSR 25-11.279(1) incorporating 40 CFR 279.24(a)(1).	2
3. <input type="checkbox"/> Transports no more than 55 gallons of used oil at any time - 10 CSR 25-11.279(1) incorporating 40 CFR 279.24(a)(2).	2
4. <input type="checkbox"/> Transports the used oil to a used oil collection center that is registered, licensed, permitted, or recognized by a state/county/municipal government to manage used oil - 10 CSR 25-11.279(1) incorporating 40 CFR 279.24(a)(3).	2
OR	
5. <input type="checkbox"/> Transports the used oil to an aggregation point that is owned and/or operated by the same generator - 10 CSR 25-11.279(1) incorporating 40 CFR 279.24(b)(3).	2
OR	
6. <input checked="" type="checkbox"/> Used oil is reclaimed under a contractual agreement (tolling arrangement) - 10 CSR 25-11.279(1) incorporating 40 CFR 279.24(c).	2

M. RESOURCE RECOVERY

1. <input checked="" type="checkbox"/> RR certification for energy recovery or reclamation of hazardous waste on-site - 10 CSR 25-9.020(1)(A)3.	1	GOR
2. <input checked="" type="checkbox"/> Still bottoms or RR residues disposed of properly - Section 260.380.1(7) RSMo.	1	GOR
3. <input checked="" type="checkbox"/> Facility is classified as <u>R1</u> or R2 accurately - 10 CSR 25-9.020(3)(A)	2	GOR
4. <input checked="" type="checkbox"/> Facility meets the operating conditions of certification - 10 CSR 25-9.020(3)(E)3.	2	GOR
5. <input type="checkbox"/> Facility has submitted a written request and received approval from the DNR for all changes in operation including closure - 10 CSR 25-9.020(3)(E) 1 and 2.	2	GOR
6. <input checked="" type="checkbox"/> Facility report submitted to DNR quarterly - 10 CSR 25-9.020(3)(E) 6 referencing 10 CSR 25-7.264(2)(E)3.	2	GOR
7. <input checked="" type="checkbox"/> Facility maintains a written operating record - 10 CSR 25-9.020(3)(E) 5 referencing 40 CFR 264.73(b)(1) & (2) as modified by 10 CSR 25-7.264(2)(E)2.	2	GOR
8. <input checked="" type="checkbox"/> Facility has notified EPA and the state that it qualifies for a small quantity on-site burner exemption or has interim status or a permit if it burns hazardous waste on-site - 10 CSR 25-7.266(1) incorporating 40 CFR 266.108 and 40 CFR 266.103.	2	GOR
9. <input type="checkbox"/> R2 facility uses an adequate sampling and analysis plan to assess incoming shipments - 10 CSR 25-9.020(3)(C)1.	2	GOR
10. <input type="checkbox"/> R2 facility maintains a daily log of manifest number, wastes received, disposition of waste and corresponding sampling data - 10 CSR 25-9.020(3)(C)2.	2	GOR
11. <input type="checkbox"/> R2 facility has a written closure plan which meets 40 CFR 264.112 requirements - 10 CSR 25-9.020(3)(C)3 referencing 10 CSR 25-7.264(2)(G).	2	GOR
12. <input checked="" type="checkbox"/> R2 facility provides financial assurance for closure - 10 CSR 25-9.020(3)(C)4.	2	GOR

COMMENTS

Bldg 2 distillation unit is currently inactive. May be used in the future.

→ Bldg 51 perchloroethylene steam stripping process shut down (This also cited on TSD checklist)

CHECKLIST KEY

Check the ☒ if in compliance.

Circle the ☐ if not in compliance and provide comment.

N/A = Not Applicable.

An item emphasized by a black line on the left is a serious deviation from the requirements (Class I violation)

An unemphasized item is a significant deviation from the requirements (Class II violation unless conditions warrant Class I)

COMMENTS: INCLUDE DISCUSSION OF FACILITY'S WASTE MINIMIZATION PLAN

Included in written report

Check all Potential Multi-Media Violations and Impacts (specify and comment below if possible)

APC		PDW	
<input type="checkbox"/> Fugitive Dust	<input type="checkbox"/> Asbestos	<input type="checkbox"/> Taste & Odors	<input type="checkbox"/> Color
<input type="checkbox"/> Particulate	<input type="checkbox"/> Odors	<input type="checkbox"/> Bacteria	<input type="checkbox"/> Flow
<input type="checkbox"/> Burning	<input type="checkbox"/> Toxics	<input type="checkbox"/> Pressure	<input type="checkbox"/> Toxics
<input type="checkbox"/> Other		<input type="checkbox"/> Other	

SWM		HW	
<input type="checkbox"/> Open Dumps	<input type="checkbox"/> SLF	<input type="checkbox"/> Transportation	<input type="checkbox"/> USTs/LUSTs
<input type="checkbox"/> Littering	<input type="checkbox"/> Other	<input type="checkbox"/> PCBs	<input type="checkbox"/> Other
<input type="checkbox"/> Waste Tire Dump			

WPC		
<input type="checkbox"/> Animal Waste	<input type="checkbox"/> Sawdust	<input type="checkbox"/> Ground Water
<input type="checkbox"/> Bypassing	<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water
<input type="checkbox"/> Treatment Plant Oper.	<input type="checkbox"/> Single Family	<input type="checkbox"/> Other

COMMENTS:

INSPECTOR'S SIGNATURE

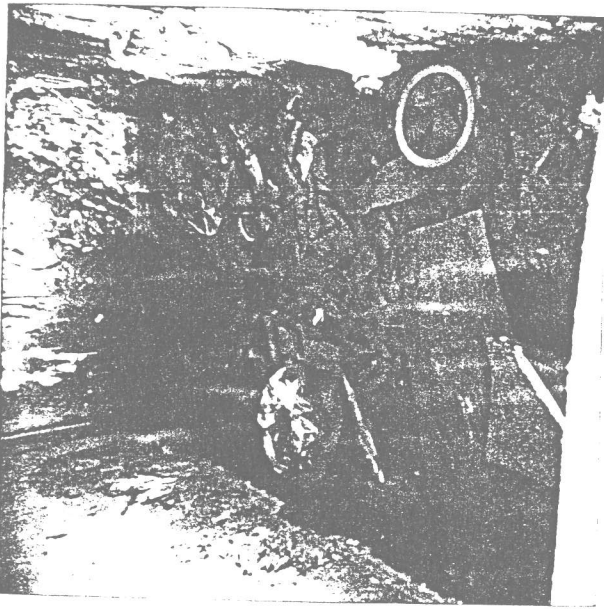
Joseph J. Lundy

DATE

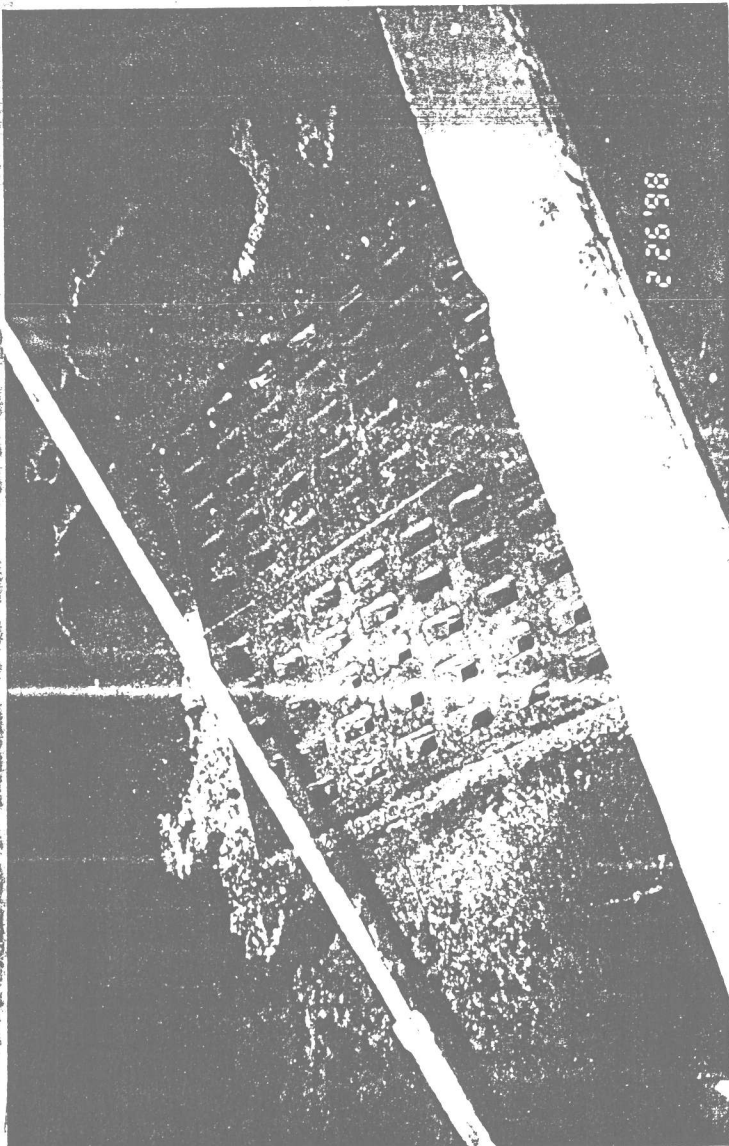
3-2-98

ATTACHMENT 11

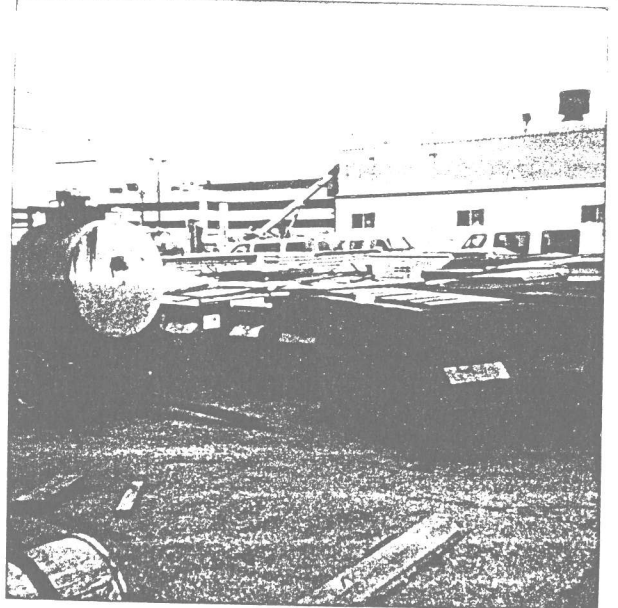
JLT/mnr
McDonnell Douglas Corp 3-2-98



2 yrd³ dumpster storage area on east side of Bldg. 2.



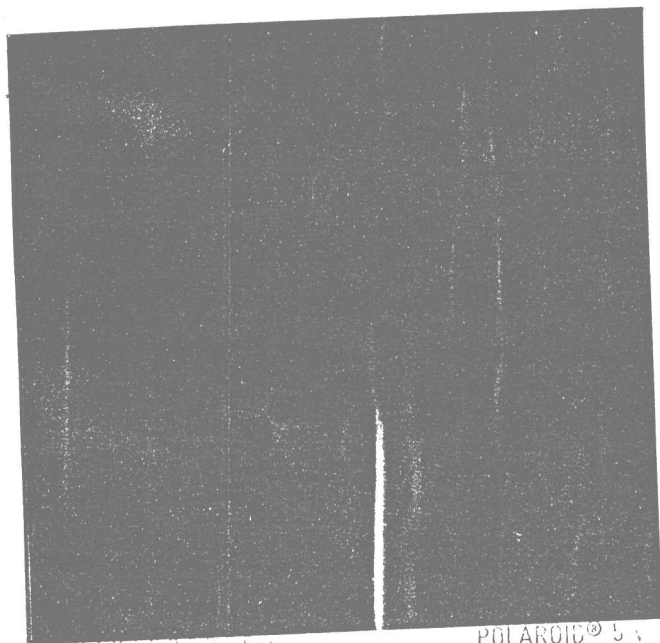
JLT/mnr McDonnell Douglas Corp 3-2-98



2 yrd³ dumpster storage area on west side of Bldg. 39

St Louis Co.
Dennell Douglas -
Tract I

she 1 & 2



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POLAROID® 55

MOJIB
JLT

MONIB
JLT
2-26-98

St Louis Co
McDennell Douglas -
Tract I

Sump in concrete section of Bldg 27
permitted storage area.

MONIB
JLT
2-26-98

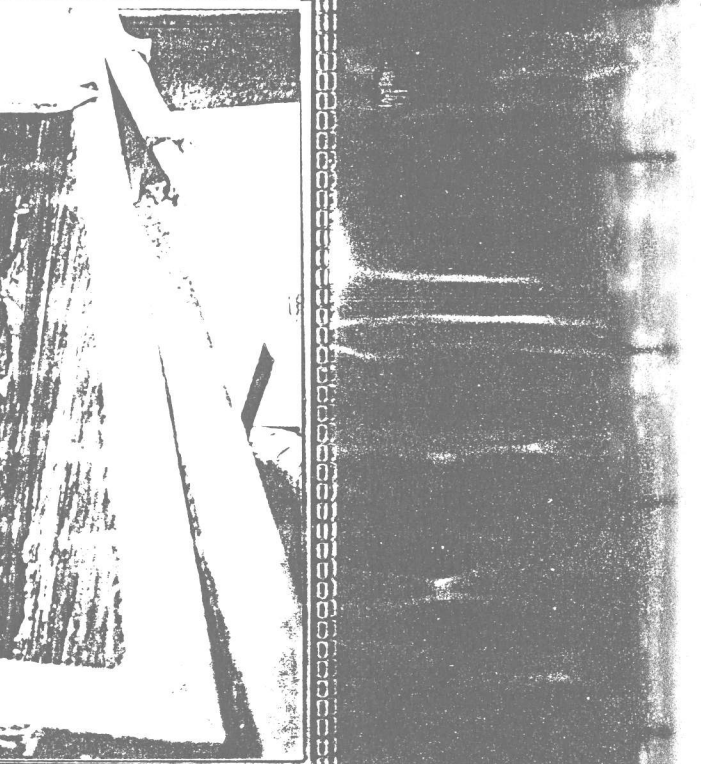
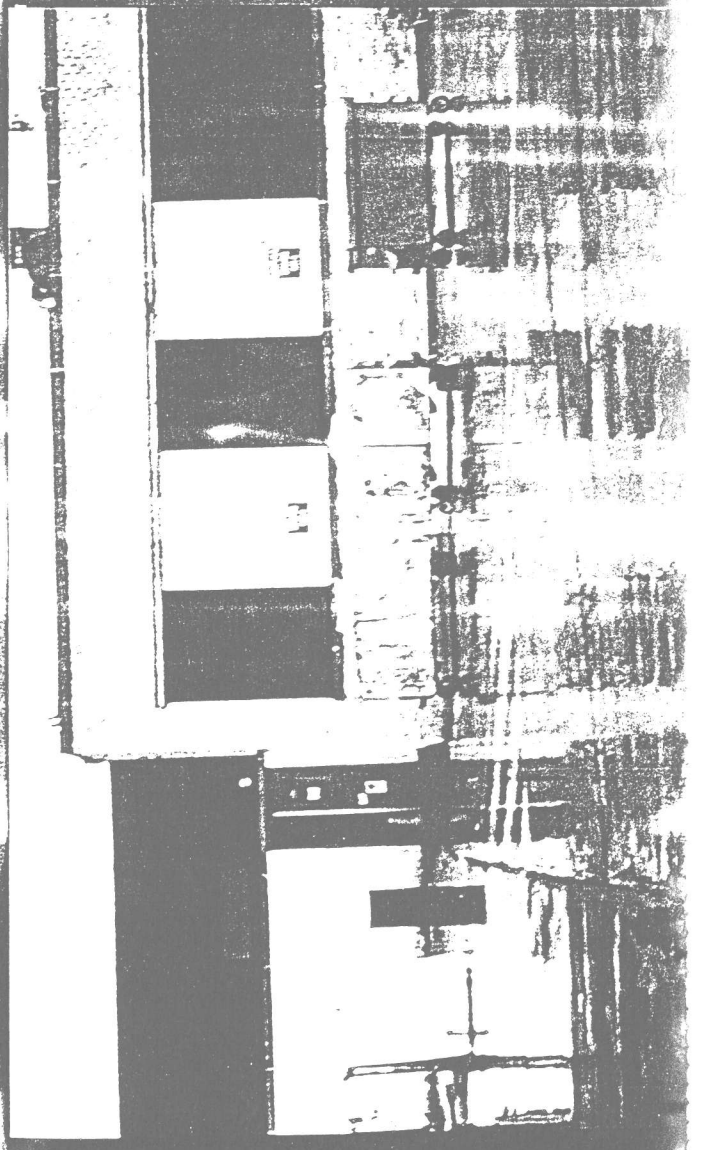
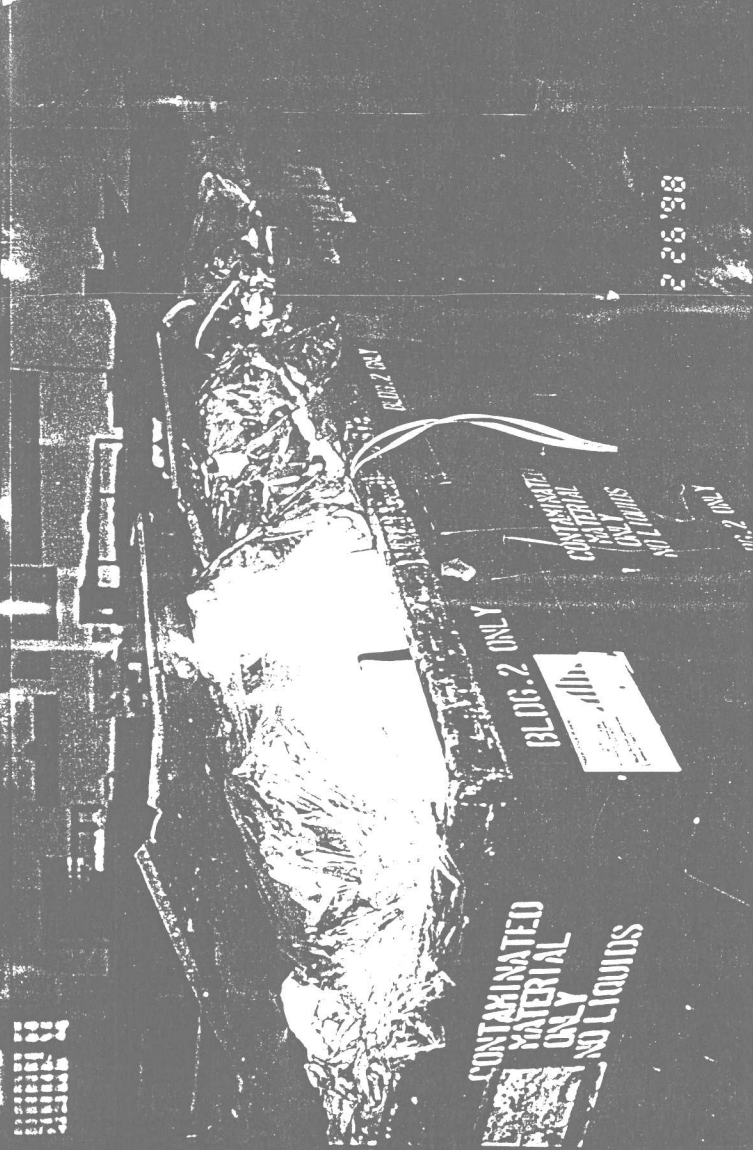
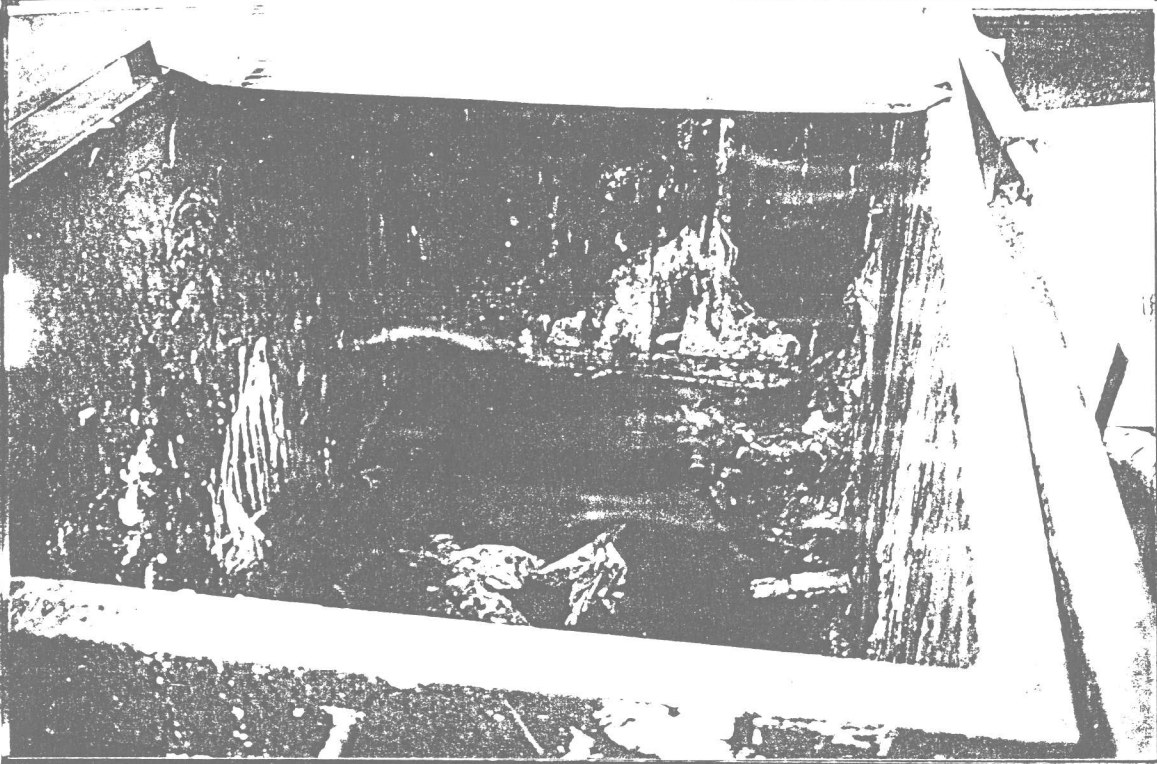
St Louis Co



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JLT
MONR
2-26-98

St Louis Co.
McDonnell Douglas -
Tract I

2 yrd³ HW dumpster near Bldg 2.
40 day storage area - dumpster was not in use

JLT
MONR
2-26-98

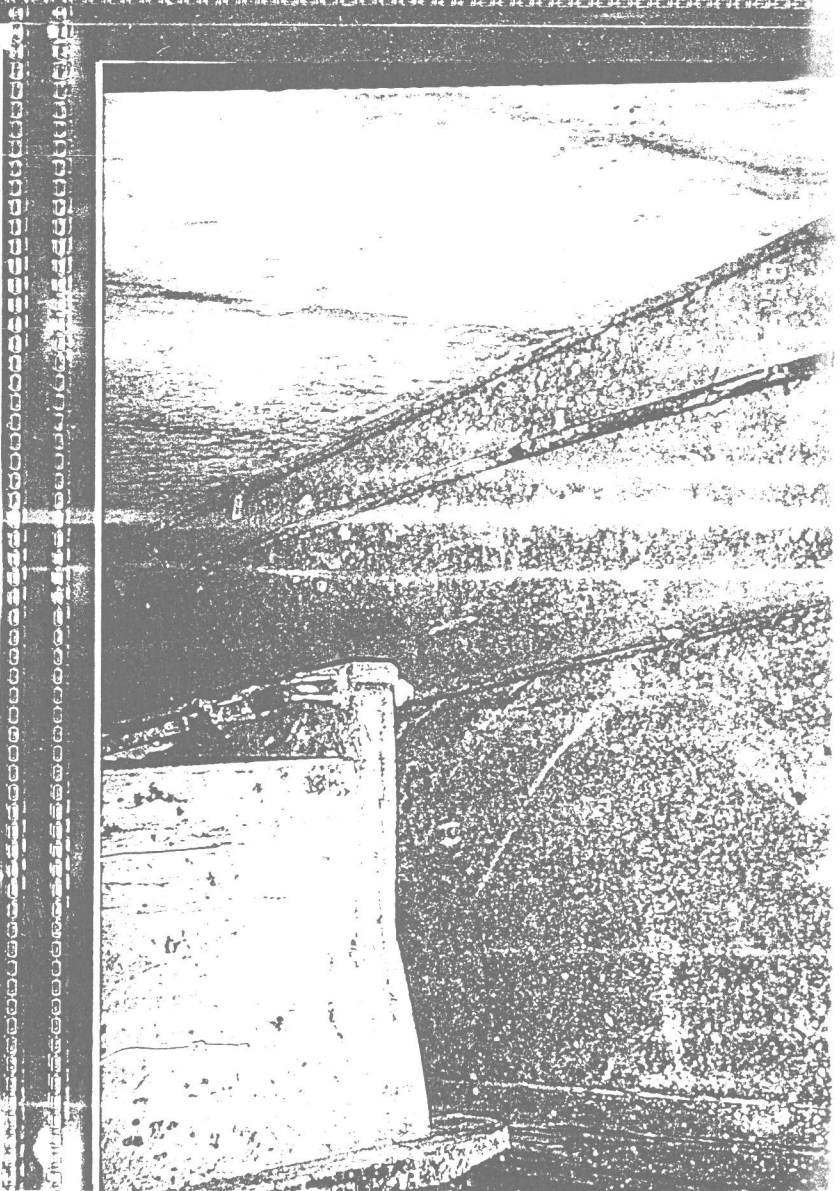
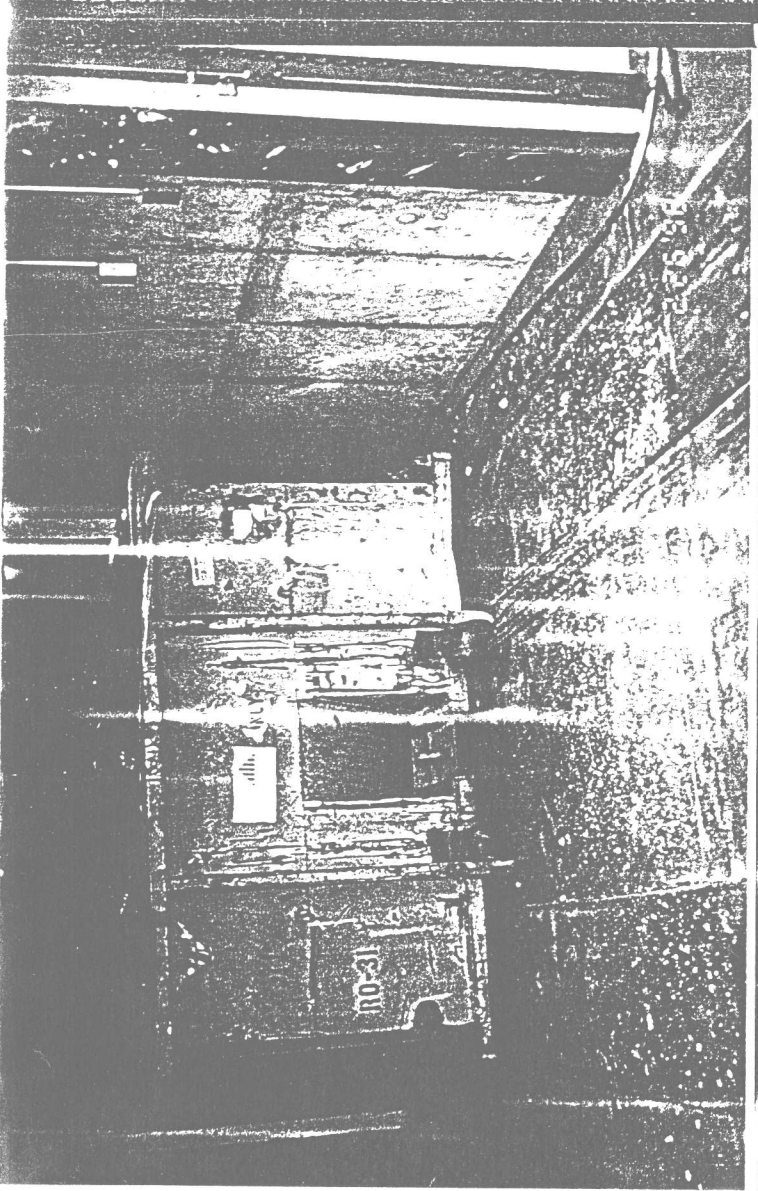
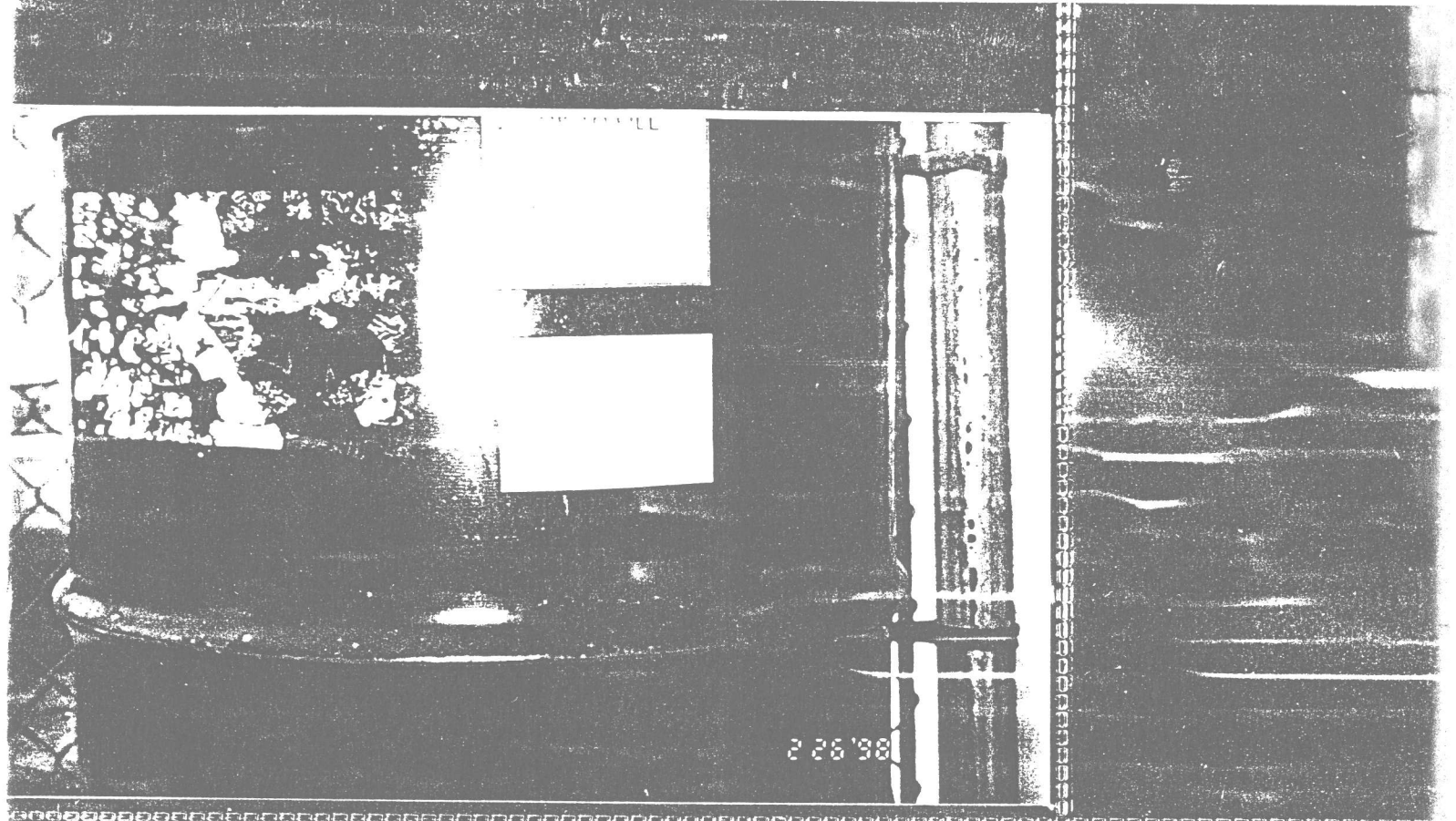
2 yrd³ HW dumpsters near bldg 2
Paint shop.

St Louis Co.
McDonnell Douglas -
Tract I

JLT
MONR
2-26-98

2 yrd³ HW dumpsters outside of
Bldg 2 Paint mix room.

St Louis Co.
McDonnell Douglas -
Tract I



MDNR
JLT
2-26-98

McDonnell Douglas -
Tract I
St Louis Co.

Drum of waste sodium hydroxide (empty)
at Bldg 14 wastewater treatment plant.

JLT
MDNR
2-26-98

St Louis Co.
McDonnell Douglas
Tract I

Bldg 14 sludge roll-off

JLT
MDNR
2-26-98

St Louis Co.
McDonnell Douglas
Tract I

Spilled filter cake next to Bldg 14
Roll-off Sludge Roll-off